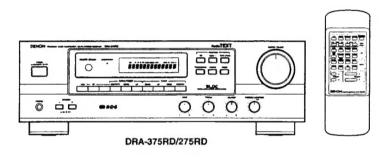
DENON

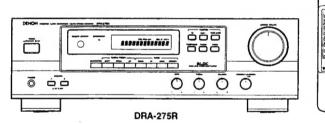
Hi-Fi AM-FM Stereo Receiver

SERVICE MANUAL

MODEL DRA-375RD MODEL DRA-275RD/275R

AM-FM STEREO RECEIVER





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Some illustration using in this service manual is slightly different from the actual set.

NIPPON COLUMBIA CO., LTD.

SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

. FOR U.S.A. & CANADA MODEL ONLY

CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS IPOLARIZEDI PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UN-LESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EX-POSURE.

POUR LES MODELES AMERICAINS ET CANADIENS UNIQUEMENT

ATTENTION

POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FI-CHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOU-VERT

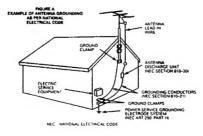
SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is operated.
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- Water and Moisture The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacture;
- 6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn



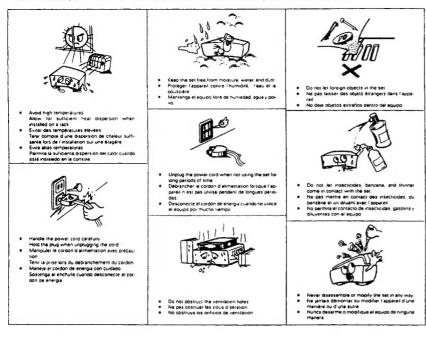
- Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8. Ventilation The appliance should be situated so that its location or position does not interfere with its project ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- Grounding or Polarization ~ Precautions should be taken so that the grounding or polarization means of an appliance is not defeated

- Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning The appliance should be cleaned only as recommended by the manufacturer.
- Power Lines An outdoor antenna should be located away from power lines.
- 6. Outdoor Antenna Grounding If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
- Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- Damage Requiring Service The appliance should be serviced by qualified service personnel when:
- A. The power-supply cord or the plug has been damaged; or
- B. Objects have fallen, or liquid has been spilled into the appliance; or
- C. The appliance has been exposed to rain; or
- D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
- E. The appliance has been dropped, or the enclosure damaged.
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



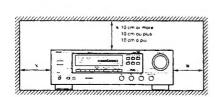
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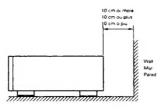
NOTE ON USE/OBSERVATIONS RELATIVES A L'UTILISATION/NOTAS SOBRE EL USO



PRECAUTIONS FOR INSTALLATION

- DRA-375RD/275R always install horizontally
- For heat dispersal, leave at least 10 cm of space between the top, back and sides of this unit and the wall or other components. PRECAUTIONS D'INSTALLATION
- Le DRA-375RD/275R doit toujours être installé horizontalement.
- Afin de disperser la chaleur, faisser un espace d'au moins 10 cm entre le haut, l'arrière et les côtés de cet appareil et le mur ou un autre composant.
- PRECAUCIONES PARA LA INSTALACION
- Instale siempre el DRA-375RD/275R en posición horizontal.
- Para que el calor se disipe, deje por lo menos 10 cm de espacio entre las partes superior, posterior y laterales de esta unidad y la pared u otros componentes.





ENGLISH

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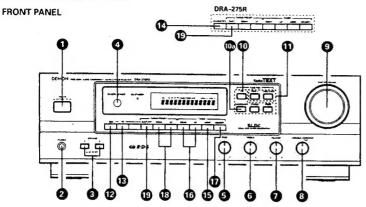
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NAME AND FUNCTION OF PARTS



POWER (Power - ON/STANDBY - OFF Switch)

This switch turns the unit ON or OFF. There is a delay of a few seconds before the unit will operate after this power switch is turned ON. If the unit is turned OFF from the remote control, the unit will be in the STANDBY mode. When in the STANDBY mode, the unit can be turned ON with the power button on the remote control. If the unit will not be used for extended period, be sure to turn the unit OFF from the front panel power NOTE:

This unit includes a STANDBY protection feature. This feature is designed to prevent accidental turn-on from the STANDRY mode in the event of a power failure. Should AC power be disconnected and then reconnected when the unit is in STAND-BY mode, the unit will return to the STANDBY mode

To turn the unit ON from the STANDBY mode without the remote control, operate the front panel power switch twice. The unit will then operate normally

PHONES (Headphones jack)

Connect the headphones to the PHONES jacks.
When listening with headphones privately, set A. B. SPEAKER switches.

to the OFF position NOTE:

To prevent hearing loss, do not raise the volume level excessively when using headphones

SPEAKER (Speaker selector switches)

These switches are used to engage speaker system A and B. No sound is heard through the speakers when both switches are set to

REMOTE SENSOR (Remote control sensor)

This sensor receives the infra-red light transmitted from the wireless remote control unit

For remote control, point the wireless remote control unit towards the

BASS (Bass control)

Use this control to adjust the low-range response

When the control is set to the center position, the frequency characteristic curve (below 1,000 Hz) is flat. Turn the control clockwise to increase the bass response and counterclockwise to decrease it

TREBLE (Trebie control)

Use this control to adjust the high-range response

When the control is set to the center position, the frequency characteristic curve labove 1,000 Hzl is flat. Turn the control clockwise to increase the treble response and counterclockwise to decrease it

BALANCE (Balance control)

Use this control to balance the volume levels between left and right channels. The volume levels in both channels are equal when the control is set

VARIABLE LOUDNESS (Loudness control)

At low volumes, the human ear is less sensitive to low (BASS) and high (TREBLE) frequencies. Use this control to compensate for this deliciency when listening at low volume levels. Turn this control counterclockwise until a natural balance of bass and trable sound has been restored

MASTER VOLUME (Volume control)

This knob is used to adjust the volume level of both channels Turn the knob clockwise to raise the volume and counterclockwise to low

FUNCTION (Input selector buttons)

- These buttons are used to select the audio input source PHONO:
- Press to play a record on a record player connected to the PHONO input jacks
- Press to listen to a compact disc player or another compo
- nent connected to the CD input tacks.
- . TUNER Press to listen to FM or AM programs.
- VIDEO: Use when playing back the audio from a Hi-Fi video, video disc player or other component connected to the VIDEO terminal
- * If a function switch is pressed quickly, the function may not actually change and no signal may be heard from the speakers for an instant To avoid this, be sure to press function switches carefully

BAND (Band selector button)

put selector indicator coes out.

Press this button to select the FM or AM band, when the set is TUNER function

Tape selector (Tape selector/monitor buttons)

TAPE-1: Press this button once, TAPE-1 indicator will light up and than you can play tape source on TAPE-1 terminal. In this state you can copy TAPE-1 source to TAPE-2/VCR terminal TAPE-2/VCR: Press this button once, TAPE-2 indicator will light up and then you can play tape or video source of TAPE-2/VCR terminal. Press again the button currently accessed, to play sources selected by inRDS button (DRA-375RD)

This button is used for the RDS search trefer to page 11) and PTY search (refer to page 11), and TP search (refer to page 11) operations, and to input the station name, (refer to page 12.)

RT (Radio Text) button (DRA-375RD)

This button is used for displaying radio text messages When this button is pressed while the station currently tuned in is offering a radio text message service, the message scrolls on the display This mode turns on and olf each time the button is pressed, frefer to page

- CHARACTER button (DRA-275R) This button is used to write station names, (refer to page 12.)
- MODE (Tuning mode button)

This switches between auto and manual runing Auto tuning: When the UP button () is pressed, the radio is tuned auto-matically to a higher frequency. Press the DOWN button () to tune to a lower frequency. Use this position to eliminate noise when no signals or weak signals are being received.

Manual tuning: In this position, the radio can be tuned manually. Reception is automatically monaural when in the manual mode

TUNER (Tuning up / down buttons)

Use these to change the received frequency to a higher frequency (UP) or a lower frequency (DOWN)

When writing station names, use these buttons to select the latters (refer to page 12 I

MEMORY (Memory button)

This switch is used to store the desired radio station to a memory.

· Presetting stations

After pressing the MEMORY button, press the SHIFT/PTY button (the SHIFT button for the DRA-275R), then select the memory block. A to E Now use the PRESET UP and DOWN buttons to specify the preset channel number. Press the MEMORY button again to store the station at the specified preset channel

TUNING PRESET (Preset station buttons)

These buttons are used for storing stations or recalling stations which have been preset. Using the SHIFT/PTY button (the SHIFT button for the DRA-275R) you can preset a total of 40 FM or AM stations into preset

Once a radio has been memorized the same station can later be tuned in instantly simply by recalling the corresponding preset channel with PRE SET UP or DOWN bullon

SHIFT / PTY button (DRA-375RD)

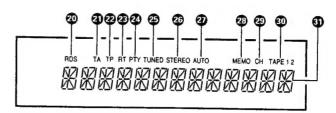
Use this button to select the memory blocks, A (1 to 8), 8 if to 8), C (1 to 8), D (1 to 8) or E (1 to R)

For PTY search, use this button to select the program type When writing station names, use this button to set the writing posi-

SHIFT button (DRA-275R)

Use this button to select the memory blocks, A (1 to 8), B (1 to 8), C (1 to 8). D (1 to 8) or E (1 to 8)

DISPLAY



RDS Indicator (DRA-375RD)

This lights when receiving RDS broadcasts, and flashes during the RDS

- TA (Traffic Announcement) indicator (DRA-375RD) This lights when receiving traffic appoundements
- TP (Traffic Programme) indicator (DRA-375RD)
- This flashes during the TP search operation and lights when TP stations are tuned in
- RT indicator (DRA-375RD) his lights when the RT (Radio Text) button is pressed
- PTY indicator (DRA-375RD)
- This flashes during the PTY (Programme type) search operation
- TUNED indicator

This lights when a station is properly tuned in

STEREO indicator

This lights when receiving stereo broadcasts. It remains off when receiving AM broadcasts.

Ð AUTO Indicator

This indicates the tuning mode. It lights in the auto mode, and remains off

23 MEMO Indicator

This indicator flashes for approximately 10 seconds when the MEMORY button has been pressed and a station can be stored on a PRESET CHAN-

This flashes continuously during the auto memory operation

CH indicator

This lights when the preset channel number and shift mode (A, B, C, D or

TAPE-1/TAPE-2 indicator

The TAPE-1 indicator lights when the TAPE-1 source is selected with the tape selector buttons. The TAPE-2 indicator lights when the TAPE-2/VCR source is selected.

Multi function display

This displays the frequency, station name, programme type, etc.

FM ANT (FM antenna terminals)

 $75-\Omega/ohms$ coaxial cable can be connected to this terminal. For antenna connecting procedure, refer to page 9 and 10.

2 AM ANT (AM antenna terminals):

Connect the attached AM loop antenna. (Refer to page 9 and 10 for connections).

3 GND (Grounding terminal)

- The grounding wire of the turniable is connected here
- Hum or noise may be generated if the grounding wire is not connected.
- PHONO (Phono input terminals)

The output cord of the turntable is connected here. Since the input sensitivity of "PHONO" is extremely high, do not use the unit without the input pin cord. If used without this cord, the speakers may generate hum.

- G CD
 - The output cord of the CD player is connected here
- O VIDEO

The audio outputs of VIDEO equipment, such as a VCR or Video Disc may be connected here

TAPE-1, TAPE-2/VCR (Tape deck and/or VCR playback/recording terminal)

Two tape decks or tape deck and VCR can be connected to these jacks for full-fledged playback, recording and tape dubbing operation.

SPEAKER SYSTEMS (Speaker terminals)
Two pairs of speakers A and B can be connected to these terminals.

AC OUTLET (AC power outlets)

This AC outlet is controlled by the power switch. Maximum capacity is 120 W.

AC CORD (Power cord)

Connect this cord into the wall outlet

VIDEO (Video input / output terminals)

As a full-featured AV center, this receiver makes possible connection of a TV monitor VCR and/or a video disc player (Video) to these jacks

- ① Simulcast monitor
- Select the desired audio source after selecting VIDEO function. You can monitor the selected audio source with the picture from the VIDEO input.
- ② VCR monito
- When the TAPE-2/VCR is selected, you can only monitor the sound and picture from the TAPE-2/VCR input.

 Even you select the audio source after selecting TAPE-2/VCR, the
- Even you select the audio source after selecting TAPE-2/VCR, solution of the selecting tape-2/VCR.
- Simulcast copy
 - If you select the audio source after selecting VIDEO function, you can record the selected audio and picture from VIDEO input into VCR

CAUTION

Protective Circuit

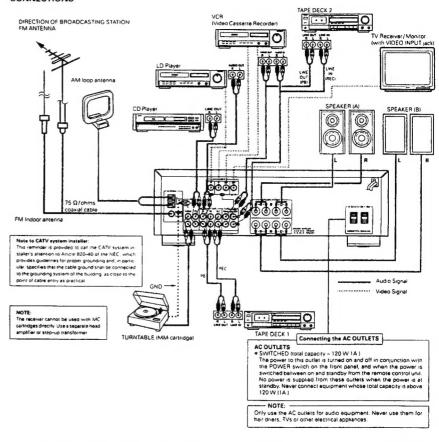
This set is equipped with a high speed protective circuit. This circuit protects the internal circuity from damage due to large currents flowing when the speaker jacks are not completely connected or when an output is generated by a short circuit.

This protective circuit's operation cuts off the output to the speakers. In such a case, be sure to turn the power to the set off and check the connections to the speakers. Then turn the power on again. After muting for several seconds, the set will operate normally.

NOTES

- This receiver has a full back-up system. When the power is turned on, the FUNCTION is set automatically to the last mode before the power was turned off.
- When using this receiver in close proximity to video equipment TRV VCR VDP, etc.). noise may be generated in AM broadcasts. To avoid this, keep the receivers at far away from other video components as possible, or place the AM loop antenna where noises is reduced. If the noise is not reduced, turn off the power of the video components when is heliening to AM broadcasts.

CONNECTIONS

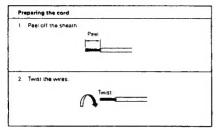


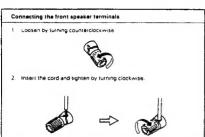
Notes on Connection

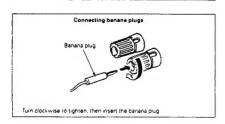
- Do not plug the power cord into the AC wall outlet until all connections have been completed.
- Make sure channels are correctly connected. Connect Left channels to Left channels and Right channels to Right channels. Follow the color markings of plugs and terminals to make sure mistakes are not made.
- Connect all pin-plugs securely, pushing them completely into the jacks, incomplete connections will cause noise generation.
- Binding the connection cables to power cords, or running such cables close to power supply transformers will cause humming or noise, and should thus
 be avoided.

SPEAKER CONNECTION

Confirm polarity (+, -) and left and right channels (L, R). Connect the speaker pairs to the SPEAKER terminals A or B on the back panel. Connections must be made with power cord disconnected







Speaker Impedance

- . When speaker systems A and B are use separately, speakers with an impedance of from 6 to 16 Ω /ohms can be connected.
- . Be careful when using two pairs of speakers (A + B) at the same time, since use of speakers with an impedance outside the range of 12 to 16 Q/ohms will lead to damage.
- . The protection circuit may operate or damage may occur when speakers with an impedance outside of the above range are used.

ANTENNA INSTALLATION

FM ANTENNA

The supplied indoor FM antenna can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on the wall or ceiting where commum reception is achieved. A indoor FM antennas may not consistently ensure stable reception, due to environment changes. In such cases, the indoor FM antenna should only be used temporarily until an outdoor FM antenna has been installed

When connecting an outdoor FM antenna, the use of 75 Q/ohms coaxial cable (3C-2V, 5C-2V) is strongly recommended.

. Do not connect two FM antennas simultaneously.

AM LOOP ANTENNA

Tune in an AM station, listen to the sound, then install the antenna in a position as far from the set as possible in which distortion and noise are minimum. Good reception of AM stations is not possible if the loop antenna is not connected or if it is touching metal objects.

USING THE VARIOUS FUNCTIONS

1. Presetting stations in the memory

The frequency and the name of the radio station (including names which you have input yourself), are also stored in the memory. In particular, the various RDS functions can be used affectively when RDS stations are stored in the memory.

How to preset the memory.

Press the MEMORY button (1). The "MEMO CH" indicator on the display flashes. Next, use SHIFT/PTV button 10 to select the memory block A. B. C. D or E. Now press the TUNING PRESET UP or DOWN button 10 to specify the preset channel number, and then press the MEMORY button (1) to store the station in the memory.

The preset channel numbers for the different memory blocks are as follows

Memory block A	1 to 8
Memory block B	1 10 8
Memory block C	1 to 8
Memory block D	1 to 8
Memory block F	1 to 8

The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button. instead.

2. Auto Memory (FM only)

The DRA-375RD/DRA-275R is equipped with an auto memory function. Connect the antenna, set it so that stations can be received, then hold in the MEMORY button and press the POWER button to turn the power on Stations for which the auto tuning function operates are stored in the preset memory in the order A1 to A8, 81 to 88, and so on, through E8.

Channel A1 is tuned in after the auto memory operation is completed Using this function makes it possible to find out the overall reception conditions of the receivable stations. The memory can be used effectively by recailing the channels in the preset memory and replacing stations whose reception is poor with stations whose reception is good, using the procedure described in 1 above.

3. Recalling preset stations
Use the SMIFT/PTY button (1) to select memory block A, B, C, D or E, then press the TUNING PRESET UP or DOWN button (1) to recall the station stored in the memory

If the TUNING PRESET UP or DOWN buttons are pressed without pressing the SHIFT/PTY button (B), the stations are recalled in the order A1 to A8, 81 to 88, and so on, through 68

The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button (D) instead

4. RDS search (for FM only) (DRA-375RD only)

Use this function to automatically tune to stations offering Radio Data Service. This operation is also possible by pressing the TUNER button on the remote control unit once when the function is set to the TUNER mode

	Operation	Display
1.	Press the RDS button once.	RDS SEARCH
2.	Press the TUNING PRESET UP or DOWN button (1)	"RDS SEARCH" flashes on the display. (Preset memory channels A to E8 are being searched.) If no RDS station is found with in above operation all the reception bands are searched. The station name is displayed when the RDS station is triped.

3. Press the TUNER UP or DOWN button (1) again while the RDS mark is flashing.

iil no other RDS station is found when all the frequencies are searched, "NO RDS" is displayed.)

RDS search starts again.

5. PTV search (for FM only) (DRA-375RD only)

Use this function to find stations broadcasting a designated type of programme type (PTY).

This operation is also possible by pressing the TUNER button on the remote control unit twice when the function is set to the TUNER mode. Next, press the PANEL button on the remote control unit, select the PTY category, then press the TUNING PRESET UP or DOWN buttons to start the PTY search function in the specified direction.

	Operation	Display
ţ	Press the RDS button (P) twice.	PTY SEARCH
2	Press the SHIFT/PTY button	Programme type or PTY.
	©	Designated programme type
(A)	ways do this to designate the prog	ramme type if "PTY" is displayed in step
3.	Press the TUNING PRESET UP or DOWN builton 18 .	"PTY SEARCH" flashes on the display.
	(Preset memory channels A1 to E8 are being searched.)	
		If there is no station broadcasting
		the designated programme type
		with the above operation, all the re-
		ception bands are searched
		The station name is displayed after
4	Press the TUNING PRESET UP	searching stops
•	or OOWN button again white the PTY mark is flashing.	PTY search starts again

(If no other station broadcasting the designated programme type is found when all the frequencies are searched, "NO PROGRAMME" is displayed.)

The programme types which can be displayed are listed on page 12.

6. TP search (for FM only) (DRA-375RD only)

This function is used to find stations scheduled to broadcast traffic programmes ITP stations). This operation is also possible by pressing the TUNER button on the remote control unit three times when the function is set to the TUNER mode.

Operation	Display
Press the RDS button @	TP SEARCH
3 times.	4
Press the TUNING PRESET UP or DOWN button (B).	"TP SEARCH" flashes on the dis- play. (Preset memory channels A1 to E8 are being searched.)
	If no TP station is found with the above operation, all the reception
	bands are searched.
	The station name is displayed after

3 Press the TUNING PRESET UP or DOWN button again while the TP mark is flashing.

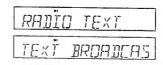
Iff no other TP station is found when all the frequencies are searched, "NO PROGRAMME" is displayed)

earching stops.

TP search starts again.

7. RT (Radio Text) (for FM only) (DRA-375RD only)

When the RT button (1) is pressed while the station currently funed in is offering a radio text message service, the message scrolls on the display. (The RT indicator lights when the RT button is pressed.)



("NO TEXT DATA" is displayed if no radio text message is being broadcast)

8. Writing station names You can write in station names yourself IUp to 8 characters!

(Refer to the table of characters on page 12)

Operation 1 Press the RDS button 4 times.

Display First space flashes.

2 Use the TUNER UP and DOWN buttons (B) to select the desired characters

First letter flashes Specified place flashes

3 Use the SHIFT/PTY button 1 to move to the next place

4 After writing the entire station name, store it in the memory trefer to page 7.3

- The DRA-275R does not have an RDS button. Use the CHARACTER button
- instead.
 The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button.

Each operation should be completed while the specified place is flashing

NOTE: This unit may not identify RDS stations as such if the paging station provides multiple RDS data. Tuning may not stop at such stations during the RDS search and PTY search operations.

RDS Emergency Alert

NEWS

SPORTS

TRLK

ROCK

CLS ROCK

RIULI HITS

SOFT ROCK

TOP 40

COUNTRY

OLDIES

INFORMATION

"ALERT" will flash on the display when the unit receives the Emergency Programme Type Code (PTY31) from an RDS station This feature may not operate properly if the signal from the RDS station is too

News

Sports

Talk

Book

Classic Rock

Adult Hits

Soft Rock

Top 40

SHET

JRZZ

NOSTRIBIA

CLRSSICAL

SOFT R+B

LANGUAGE

REL

PUBLIC

MUSIC

TALK

PERSONBLITY

weak or is subjected to interference It is not possible to select the "ALERT" display from the PTY search mode

* The following programme types (PTY) can be designated

- 9. Clearing station names
- Recall the station name you want to clear
- Press the RDS button 4 times until the character at the first place flashes.
- 3. Then press the SHIFT/PTY button for at least 2 seconds. The current station name will then be cleared.
- * The DRA-275R does not have an RDS button. Use the CHARACTER button.
- * The DRA-275R does not have a SHIFT/PTY button. Use the SHIFT button.

Note: - Station names MUST be stored in a preset memory to be retained. If the power is turned off, or if the band (AM/FM) is changed, the station name will be lost. Be sure to store the entered station name in a Preset Memory before changing the band or turning the power switch OFF

RDS Emergency Alert Feature

The RDS Emergency Afert Feature is activated by a signal sent at the sole discretion of the ROS broadcaster. The RDS Emergency Alers Feature is included in this product for the convenience of the consumer, and is not intended to augment or replace the Official Emergency Broadcast Systern as administered by the Federal Communications Commission. For this reason, Nippon Columbia Co. and it's Subsidieries, including but not limited to DENON America, Inc. and DENON Canada, Inc., refuse all Warranties, claims of merchantability or fitness, or liabilities, whether incidental, consequential or otherwise, related to, either directly or indirectly, the operation or lack of operation of this feature. This exclusion applies to any and/or all Nippon Columbia Co. Products, whether present or future, that implement, in any form or variation, the RDS Emergency Alert Feature

Nostalpia

R&B

Soft R & B

Religious Talk

Personality

PLAYBACK USING THE REMOTE CONTROL

The accessory RC-812 remote control unit is used to control the RECEIVER from a distance

(1) Inserting the dry cell batteries

Remove the rear cover on the remote control unit



2 Insert two size "AA" (R6) dry cell batteries as shown in the diagram on the battery supply unit



3 Close the rear cover



Notes on Use of the Batteries

- The remote control unit uses size "AA" IR6I dry cell batteries.
- The batteries will need to be replaced approximately once a year. This will depend upon how often the remote control is used.
- If it less than a year from the time new batteries were inserted, the remote control fails to operate the receiver from a near-by position, it is time to replace the batteries.
- Insert the batteries properly, following the diagram on the remote control battery supply unit, and making sure to align the plus and minus sides of each battery
- · Batteries are prone to damage and leakage. Therefore
- . Do not combine new batteries with used ones.
- Do not combine different types of batteries.
- . Do not sumper the opposite poles of the batteries, expose them to heat or break them open, or put them into open fire
- When the ramote control is not to be used for a long period of time, ramove the batteries from the unit.
- . If the batteries have leaked, remove any battery fluid from the inside of the battery supply unit by wiging it out thoroughly, and insert new batteries





- Operate the remote control unit while pointing it towards the remote control sensor on the receiver as shown in the diagram left.
- The remote control unit can be used at distances up to about 7 meters / 20 feet in a straight line from the receiver. This distance will decrease if there are obstructions blocking the infra-red light transmission or if the remote control unit is not directed straight at the receiver.

Note on Operation

- Do not press the operating buttons on the receiver and the remote control unit at the same time. This will cause misoperation.
- Operation of the remote control unit will become less effective or erratic if the infrared remote control sensor on the receiver is exposed to strong light or if there are obstructions between the remote control unit and the sensor
- In case you operate your VCR, TV or other components by remote control, do not operate buttons on two different remote control units at the same time. This will

Table of characters

The characters are input in the order shown to the right. Use the TUNER UP/DOWN buttons (B) to select the desired characters

→RBCDEFSHIUKLMNOPQRSTUKU≾92 — -0 1234587890 \ J-% ' () #+, -, / = SPACE

7

DRA-375RD/275RD/275R

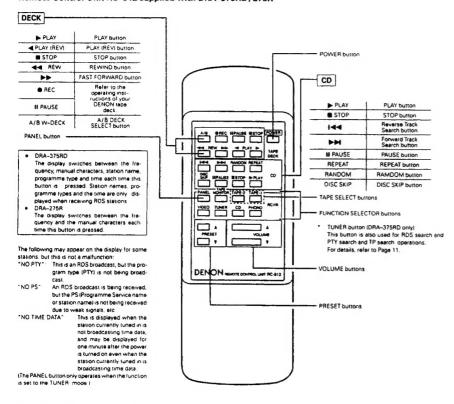
Besides being able to operate the DRA-375RD/275R receiver with this remote control unit, you can also operate a DENON cassette deck and CD player from this handy full-system remote control unit.

Remote Control Section

Full-system Remote Control Unit

The IUE-system remote control unit operates all major functions of the receiver such as function switching, volume control, and preset station selection. But that's not all. The same control paid can also control the major functions of a DENON CD player and cassette deck to create a remarkably ergonomic and versatile DENON system with all the quality sound reproduction that the devoted audiophile expects.

Remote Control Unit RC-812 supplied with DRA-375RD/275R



- The RC-812 Remote Control Unit can control CD players and cassette decks made by DENON
- Note that operation may not be possible for some models
- Buttons are conveniently separated into groups, each group controlling one specific component. The groups are RECEIVER, CD and DECK.

For details on operating other components, refer to the instruction manuals for the CD player and/or cassette deck

CAUTION:

- If the power is turned off with the remote control unit, the receiver is switched to the power stand-by state. If you are to be absent for a long period of time, be sure
 to turn the power off using the POWER switch on the receiver.
- A part of 1st digit of fluorescent display light while the receiver is in the power stand-by state.
- You may experience erratic operation of the remote control unit if it is operated in fluorescent light and direct sunlight, in particular if this light strikes the remote control sensor on the receiver. However, this is not a malfunction, and if this should happen, protect the sensor against such light.

TROUBLESHOOTING

- 1. Have all connections been made PROPERLY?
- Have you followed all operational instructions correctly?
- 3. Are the speakers, turntable, and other components operating properly?

When your unit does not seem to be operating correctly, first check the items in the following table if the symptom does not correspond to any of the problems as shown below, turn off the power sources immediately and contact your DENON dealer.

Problem	Cause	Remedy
FM AND AM RECEPTION		
Radio program can not be received.	Antenna connection is wrong. A signal strength is weak.	Check the connection Check the antenna installation.
Noise is reproduced.	A signal strength is weak Automobile ignition noise interferes with reception Other electrical equipment interferes with reception	Install an outdoor antenna Keep the antenna away from the street Keep the adjundent away from this set, or turn off the power of the other equipment.
The preset frequencies are erased.	The memory back-up term (about 1 month) passed.	Preset again
In automatic tuning, the frequency doesn't stop at the radio station	A signal strength is weak.	Use manual tuning.
In automatic tuning, it stops at the one step lower or higher frequency than the radio station.	Noise or strong signal strength is received.	Use manual tuning for optimum reception
PLAYBACK OF THE AUDIO EQUIPMENTS		
No sound is produced with power on.	Input and speaker cords connection are wrong. Speaker switch is off. The FUNCTION buttons are in wrong position. The protective circuit is operating. The fuse has blown out. The power switch was set to OFF the last time the power was turned off from the remote control unit.	Check the connection. Turn on speaker switch Check thase position. Turn the power off once, check the connections to the speakers, then turn the power on again. Ask your dealer, or the nearest DENON representative. Set the power switch to ON, then turn the power on from the remote control unit. Or, push the power switch on the front penel twice.
Audible hum when playing records	The input and grounding cords connection of the turnable are wrong. The cords connection of the cartridge are wrong. The interference from the nearby TV or radio transmission antenna.	Check the connection. Check the connection. Ask your dealer, or the nearest DENON representative.
Howling is produced when the volume control is turned up too high while playing records	 The vibrations and sounds transmit from the speakers to the turntable. 	insulate the vibrations, or keep the speakers away from the turntable
Cracking noise is produced when playing re- cords.	The record is stained with the dust The stylus tip of the cartridge is stained with the dust The cartridge is defective.	Clean the record. Clean the stylus tip Try the other cartridge.

SPECIFICATIONS

AMPLIFIER SECTION

Continuous Power Output: DRA-375RD: 60 watts per channel minimum

RMS, both channels driven at 8 Ω/ohms from 20 Hz ~ 20 kHz no more than 0.05% total har-

monic distortion.

DRA-275R: 40 watts per channel minimum RMS, both channels driven at B Ω /ohms from 20 Hz - 20 kHz no more than 0.05% total har-

monic distortion.

Power Bandwidth (IHF):

10 Hz - 40 kHz (T.H.D. 0.15% both channels

driven into 8 Q/ohms)

Total Harmonic Distortion: Frequency Response:

0.03% (-3 dB at rated output, 8 Ω /ohms) PHONO RIAA Standard Curve (Recording

Output)

20 Hz ~ 20 kHz ± 0.5 dB 20 Hz ~ 50 kHz ± 1.5 dB

CD, VIDEO, TAPE-1.

(at 1W)

TAPE-2/VCR

Input Sensitivity and

Impedance:

PHONO MM CD, VIDEO,

PHONO MM

2.5 mV 47 kΩ/k ohms 150 mV 47 k Ω/k ohms

TAPE-1, TAPE-2/VCR

Maximum Input Level (at 1 kHz)

Signal to Noise Ratio

(IHF-A):

78 dB (at 5.0 mV input) PHONO MM

180 mV

CD, VIDEO, 95 dB TAPE-1, TAPE-2/VCR

Tone Controls: **BASS**

± 10 dB at 100 Hz ± 10 dB at 10 kHz TREBLE

VARIABLE LOUDNESS Loudness, Control Effect:

50 Hz/10 kHz, +10 dB/+5 dB

VIDEO SECTION

Input terminal:

Output terminal:

VCR-IN, VIDEO 1 Vp-p/75 Ω/ohms VCR-OUT, MONITOR 1 Vp-p/75 Ω/ohms

Frequency response: 5 Hz ~ 6 MHz ± 1.5 dB TUNER SECTION

[FM] (note: μ V at 75 Ω /ohms, 0 dBf = 1 \times 10⁻¹⁵ W)

Receiving Range: Usable Sensitivity:

87.50 ~ 108.00 MHz 0.9 µV (10.3 dBf) 50 dB Quieting Sensitivity: MONO 1.6 μV (15.3 dBf) STEREO 23 µV (38.5 dBf)

Signal to Noise Ratio

(IHF-A):

MONO 82 dB

STEREO 78 dB

Total Harmonic Distortion

(at 1 kHz):

MONO 0.1% **STEREO 0.15%**

Capture Ratio: 1.5 dB Image Rejection:

42 dB 50 dB

AM Suppression: Selectivity (± 400 kHz): 55 dB Frequency Response:

30 Hz - 15 kHz 102 dB

Stereo Separation

(at 1 kHz): 40 dB

520 ~ 1710 kHz Receiving Range:

Usable Sensitivity:

18 uV

Signal to Noise Ratio:

55 dB

GENERAL

[MA]

Power Supply: **Power Consumption:** AC 120V 60 Hz 2.6 A (DRA-375RD)

2.3 A (DRA-275R) Dimensions:

434 mm (17-3/32")W × 142 mm (5-19/32")H × 315 mm (12-25/64")D (DRA-375RD) 434 mm (17-3/32")W × 142 mm (5-19/32")H

× 315 mm (12-25/64")D (DRA-275R)

Weight:

6.6 kg (14 lbs 9 oz) (DRA-375RD) 5.8 kg (12 lbs 13 oz) (DRA-275R)

REMOTE CONTROL UNIT

Remote control system:

BC-812

Infrared pulse system Power supply: 3V DC Two size "AA" (R6)

dry cell batteries

External dimensions:

60 mm (2-23/64")W × 175 mm (6-57/64")H

× 18 mm (45/64")D

Weight:

120 g (4 oz) (includes batteries)

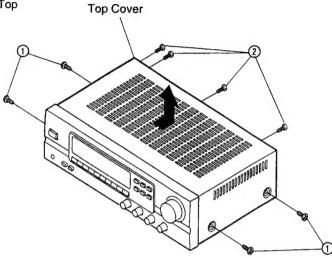
Design and specifications are subject to change without prior notice.

DISASSEMBLY

(To reassemble reverse disassembly)

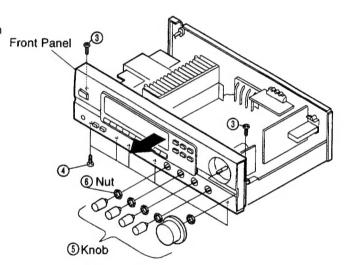
Top Cover

Remove 4 screws ① and 4 screws ② then detach the Top Cover as shown in the figure.



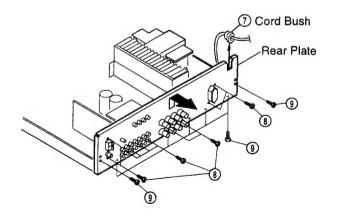
Front Panel

- 1) Remove 2 screws 3 and 5 screws 4.
- 2) Pull out 5 knobs (5) and unfasten 5 nuts (8), and detach the Front Panel as shown in the arrow direction.



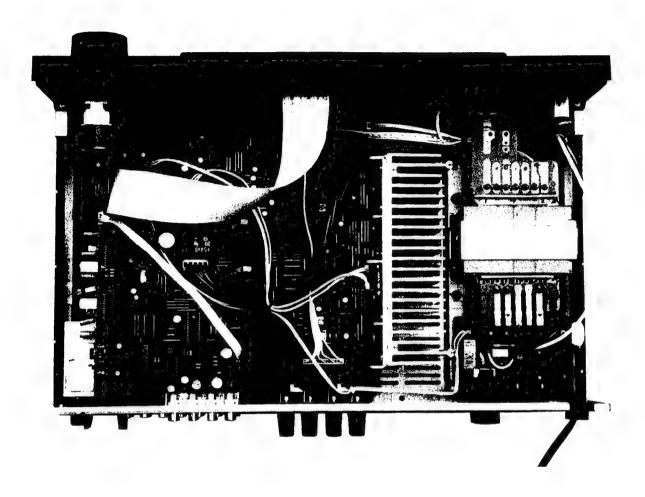
Rear Panel

- 1) Pull out the cord bush ①. as shown in the arrow direction.
- 2) Remove 10 screws (9) and 7 screws (9), then detach the Real Panel in the arrow direction.

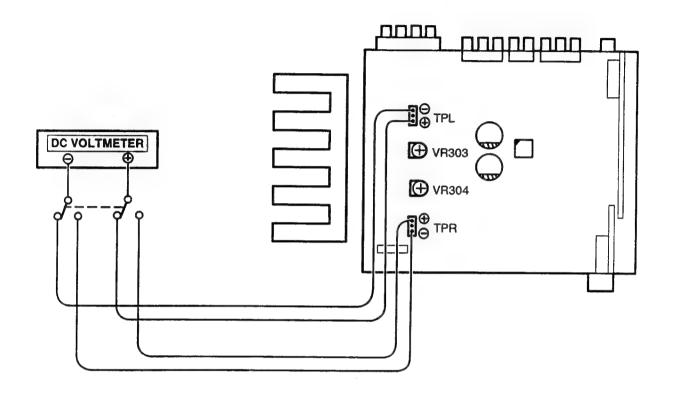


WIRE ARRANGEMENT

In case of wires require unclasping or loosening to move the location to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.



METHOD OF ADJUSTMENTS



IDLING CURRENT

(1) Set controls as follows.

POWER Switch \rightarrow off (\blacksquare) **VOLUME Control** \rightarrow 0 (min) **SPEAKERS** $\rightarrow \text{ off }(\blacksquare)$

→ 15°C ~ 30°C (59°F ~ 86°F) → min. (C) Temperature

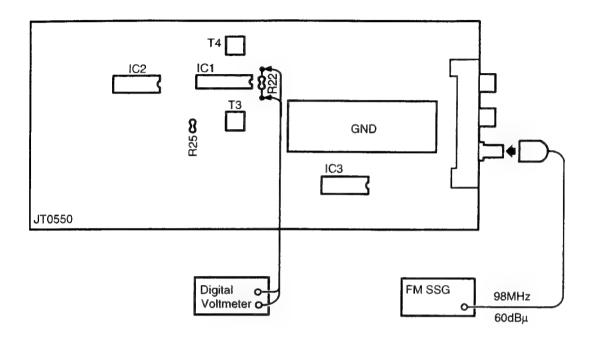
VR303 and VR304

(2) Connect DC Voltmeter to the TPL (Lch) and TPR (Rch).

(3) Turn the Power Switch on and rotate VR303 clockwise so that the DC Voltmeter reads 3 mV ±0.5 mV DC at the TPL. Follow the same procedure to VR304 for TPR.

CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

FM SECTION



Adjust T4 potential difference across R22 should be within 30mV.

Initiating (Memory clearing) Method

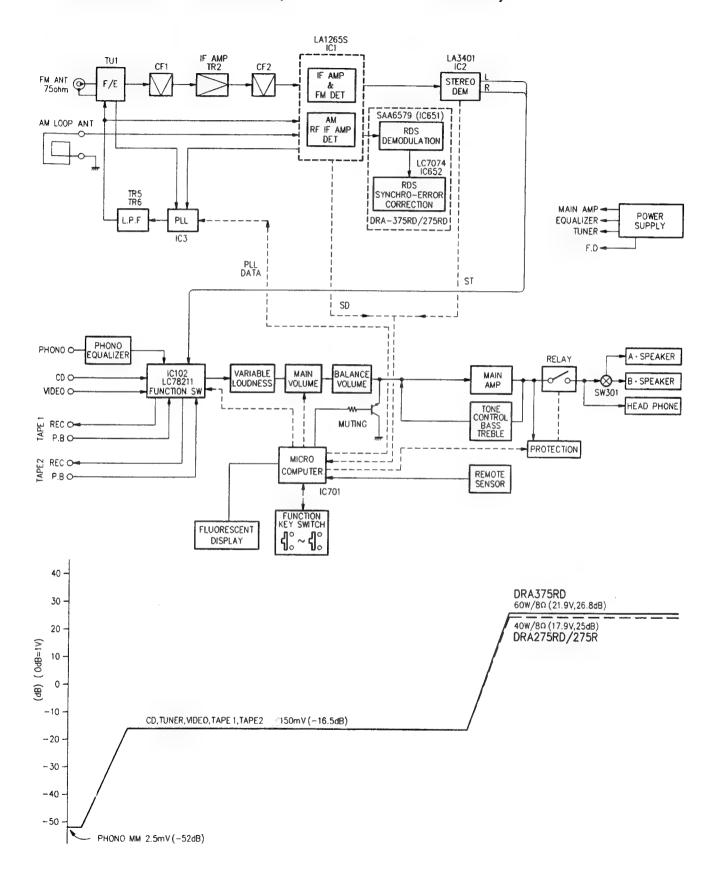
To clear memory contents of microcomputer and restore to the initial state, take the following steps;

- (1) Press power switch, turn off power of the unit.
- (2) Disconnect AC power cord from wall outlet temporarily.
- (3) Insert power cord into outlet while simultaneously pressing two keys of TUNER and VIDEO SELECT.
- (4) Press power switch to confirm that memory contents are cleared.

By completion of the above, the initial state is restored. In case the memory can not be cleared due to some reasons, repeat steps 1 through 3.

Note: If the Power does not turn on and nothing is displayed except STAND-BY LED even after the above item #4 is performed, the unit may be stay remained in the STAND-BY Mode. In such a case, please refer to the Operating Manual, item "POWER" of the "NAME AND FUNCTION OF PARTS" for details.

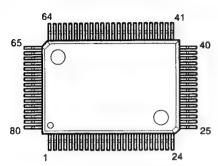
BLOCK/LEVEL DIAGRAM (DRA-375RD/275RD/275R)

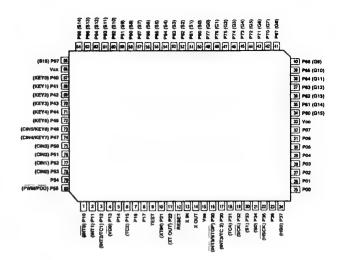


SEMICONDUCTORS

● IC's

TMP87CM71F (IC701)



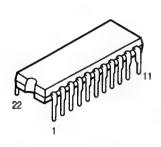


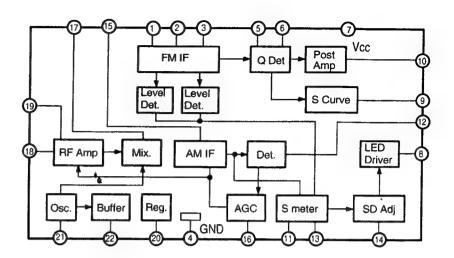
TMP87CM71F Port Allocation Table

	F 67 CIVI		701	· Alle	Cation Table
Pin No.	Symbol	1/0	Logic	Initia: Setting	Function
1	STOP	1	L		Power down detection ("L" = at power down).
2	MUTE (A)	1	_	_	MUTE (A) output ("H" = MUTE)
3	RDS	1	Serial		RDS data (start) input.
4	RES	0	L	н	LC7074 reset output.
5	GND	1	Serial	_	Not used.
6	FCK	0	Serial	l.	Function control output (LC7821) for F-CK.
7	FDA	0	Serial	L	Function control output (LC7821) for F-DATA.
8	FSTB	0	Н	L	Function control output (LC7821) for F-STB.
9	GND	1	_	_	Connect to GND.
10	\$D	J	L	_	Tuned signal input ("L" = at tuned in).
11	GND	1	_	_	Not used.
12	RESET	1	L	_	Reset input.
13	XIN	1	_	-	Oscillation circuit (4MHz).
14	XOUT	0	_	_	Oscillation circuit (4MHz).
15	Vss	PW	_	_	GND
16	GND	ī		_	GND
17	REM	1	L	_	Remote control signal input.
18	ST	1	L	_	Stereo signal input ("L" = at stereo).
19	RCK	1	Serial	_	RDS data (clock) input.
20	RDA	1	Serial	_	RDS data (data) input.
21	GND	1	_	_	Not used.
22	PCK	0	Serial	L	LM7001 control output for PLL-CK (CL).
23	PDA	0	Serial	L	LM7001 control output for PLL-DATA (DATA).
24	PSTB	0	н	L	LM7001 control output for PLL-STB (CE).
25	GND	0	_	L	GND
26	GND	0	_	L	GND
27	A/M	0	L	L	AUTO/MANUAL control.
28	GND	1	_	_	Not used.
29	P O/F	0	н	L	Power control output ("H" = ON).
30	VR-UP	0	Н	L	Power volume control output (LB1639 ON = at "H").
31	VR-D	0	Н	L	Power volume control output (LB1639 ON = at °H°).
32	SP-R	0	н	Ĺ.	Speaker relay control output (ON = at "H").
33	VDD	PW		_	+5V
34	GND	1			GND
35	GND	1	_	_	GND
36	1G	0			FL tube control output for 1G.
37	2G	0		_	FL tube control output for 2G.
38	3G	0		-	FL tube control output for 3G.
39	4G	0	_	_	FL tube control output for 4G.
33	70			_	L 1000 control output for 4G.

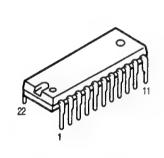
Pin No.	Symbol	1/0	Logic	Initial Setting	Function
40	5G	0	_	_	FL tube control output for 5G.
41	6G	0	-	_	FL Tube control output for 6G.
42	7G	0	_	_	FL Tube control output for 7G.
43	8G	0	_	_	Fl. Tube control output for 8G.
44	9G	0	_	_	FL Tube control output for 9G.
45	10G	0	_	_	FL Tube control output for 10G.
46	11G	0	_	_	FL Tube control output for 11G.
47	12G	0	_	_	FL Tube control output for 12G.
48	13G	0		_	FL Tube control output for 13G.
49	14G	0			FL Tube control output for 14G.
50	S0 (a)	0	_	_	FL Tube control output for P(a).
51	S1 (b)	0	-		FL Tube control output for P(b).
52	S2 (c)	0	_	_	FL Tube control output for P(c).
53	S3 (d)	0	_	_	FL Tube control output for P(d).
54	S4 (e)	0	-	-	FL Tube control output for P(e).
55	S5 (f)	0	_	_	FL Tube control output for P(f).
56	S6 (g)	0	_	_	FL Tube control output for P(g).
57	S7 (h)	0	_	-	FL Tube control output for P(h).
58	S8 (j)	0		_	FL Tube control output for P(j).
59	S9 (k)	0	_	_	FL Tube control output for P(k).
60	S10 (m)	0	_	_	FL Tube control output for P(m).
61	S11 (n)	0	_	_	FL Tube control output for p(n).
62	S12 (p)	0	_	_	FL Tube control output for P(p).
63	S13 (q)	0	_	_	FL Tube control output for P(q).
64	S14 (r)	0	_	_	FL. Tube control output for P(r).
65	S15 (s)	0	_	_	FL Tube control output for P(s).
66	Vkk	PW	_	_	-15V
67					
1	GND	1	_	_	GND
70					
71	VA	0	L	н	Video In/Out control ("L" = at selection) BV4066.
72	VB	0	L	н	Video In/Out control ("L" = at selection) BV4066.
73	K1	ī	_	_	Key input (A/D conversion input).
74	К2	1		_	Key input (A/D conversion input).
75	КЗ	i			Key input (A/D conversion input).
76	K4	1	_	_	Key input (A/D conversion input).
77	VER	·			Forwarding country setting.
78	VER	<u> </u>		_	Specification setting.
79	MUTE (T)	0	Н	Н	MUTE output ("H" = MUTE).
80	GND	1			GND
1 00 1	0.00				GIVO

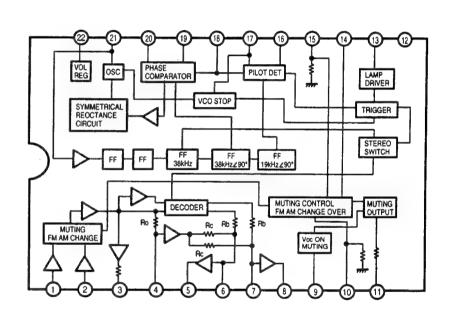
LA1265 (S) (IC001)





LA3401 (IC002)

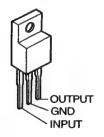




LM7001 (IC003)

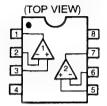
X OUT [] 16 Vss XIN 2 15 PD2 CE 3 14 PD1 13 V_{DD}2 CL 4 12 V_{DD}1 DATA 5 SYC 6 11 FM IN BO 1 7 10 AM IN 9 BO 3 BO 2 8

KIA7812PI (IC004) KIA7806PI (IC401)



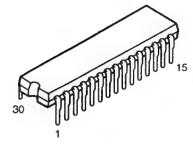
BA4558 (IC101)

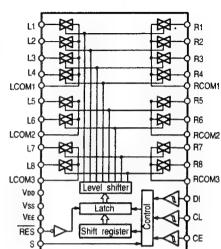




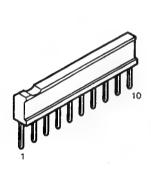
1: A Output 2: A -Input 3: A +Input 4: V -5: B +Input 6: B -Input 7: B Output

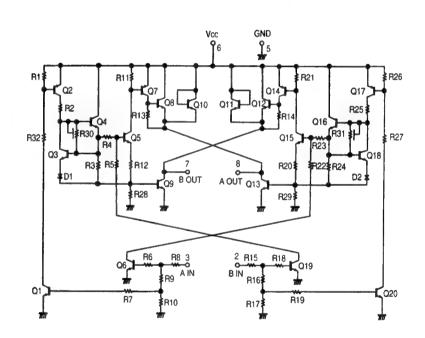
LA78211 (IC102)





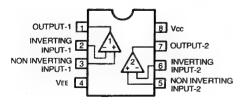
BA6208S (IC201)





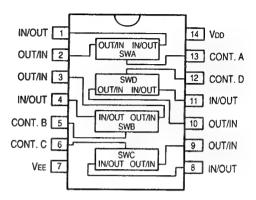
BA15218 (IC301)



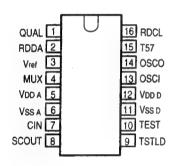


BU4066BC (IC601)





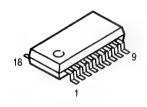
SAA6579T (IC651)

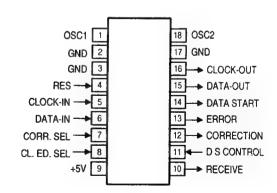


SAA6579T Terminal Function

Pin No.	Symbol	Function
1	QUAL	Quality indication output.
2	RDDA	RDS data output.
3	Vref	Reference voltage output (0.5 VDD A).
4	MUX	Multiplex signal input.
5	VDD A	+5V power supply for analog part.
6	VSS A	Ground for analog part (0V).
7	CIN	Subcarrier input to comparator.
8	SCOUT	Subcarrier ouput of reconstruction filter.
9	TSTLD	Test control.
10	TEST	Test enable input.
11	Vss d	Ground for digital part (0V).
12	VDD D	+5V power supply for digital part.
13	OSCI	Oscillator input.
14	osco	Oscillator output.
15	T57	57kHz clock signal output.
16	RDCL	RDS clock output.

LC7074M (IC652)

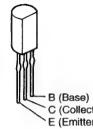




TRANSISTORS

2SA988 (E/F) 2SC945P 2SC1815 (Y) 2SC1841 (E/F)

2SA1015 (GR) 2SC1815 (GR)



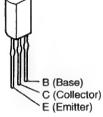
DTA114ES

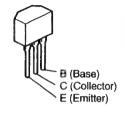
2SB647A (C)

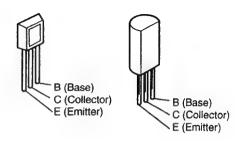
2SA933S (S) 2SC1740S (E) 2SC1740S (S) 2SC2058S (Q)

2SB1328 (P) 2SD2004 (P) HIT5610 (C)



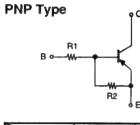


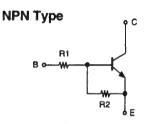




2SK365 (BL/GR)





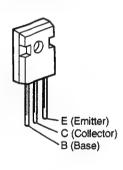


S (Source) G (Gate) D (Drain)	B (Base) C (Collector) F (Fmitter)
G (Gate)	B (Base) C (Collecto E (Emitter)

	R1	R2
DTA114ES	10 kohm	10 kohm

	R1	R2
DTC143ES	4.7 kohm	4.7 kohm
DTC144ES	47 kohm	47 kohm
DTC144TS	47 kohm	_
DTC323TS	2.2 kohm	_
RN1241	5.6 kohm	-

2SA1633 (E/F) 2SC4278 (E/F)

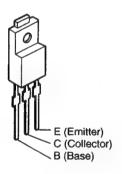




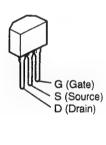
2SB1655

E (Emitter) C (Collector) B (Base)

2SD2061



2SK161

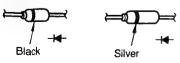


DIODES & LED

IN4148

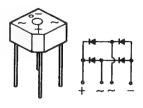
IN4002

HZ27-04 HZ7B1 HZ3C2 HZ7C3 HZ6C2 HZ9A3

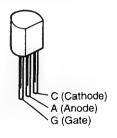




S4VB20



SFOR1A42

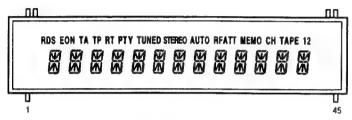


SBX1910-52 (RM701)

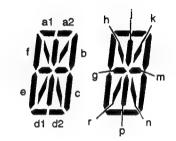


- 1. Vcc
- 2. Output 3. GND
- 4. Case Fin
- 5. Case Fin

FLD (14BT48GK)



b c d e h a b c d e f g h j k m n p qr RDS EON TA TP RT PTY TUNED STEREO AUTO RFATT MEMO CH TAPE 12



PIN CONNECTION	١
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Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Connection	F1	F1	NP	NP	NC	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	Р3	P2	P1	14 G	13G	12G						
	_	_	_				_											43.4		_										_

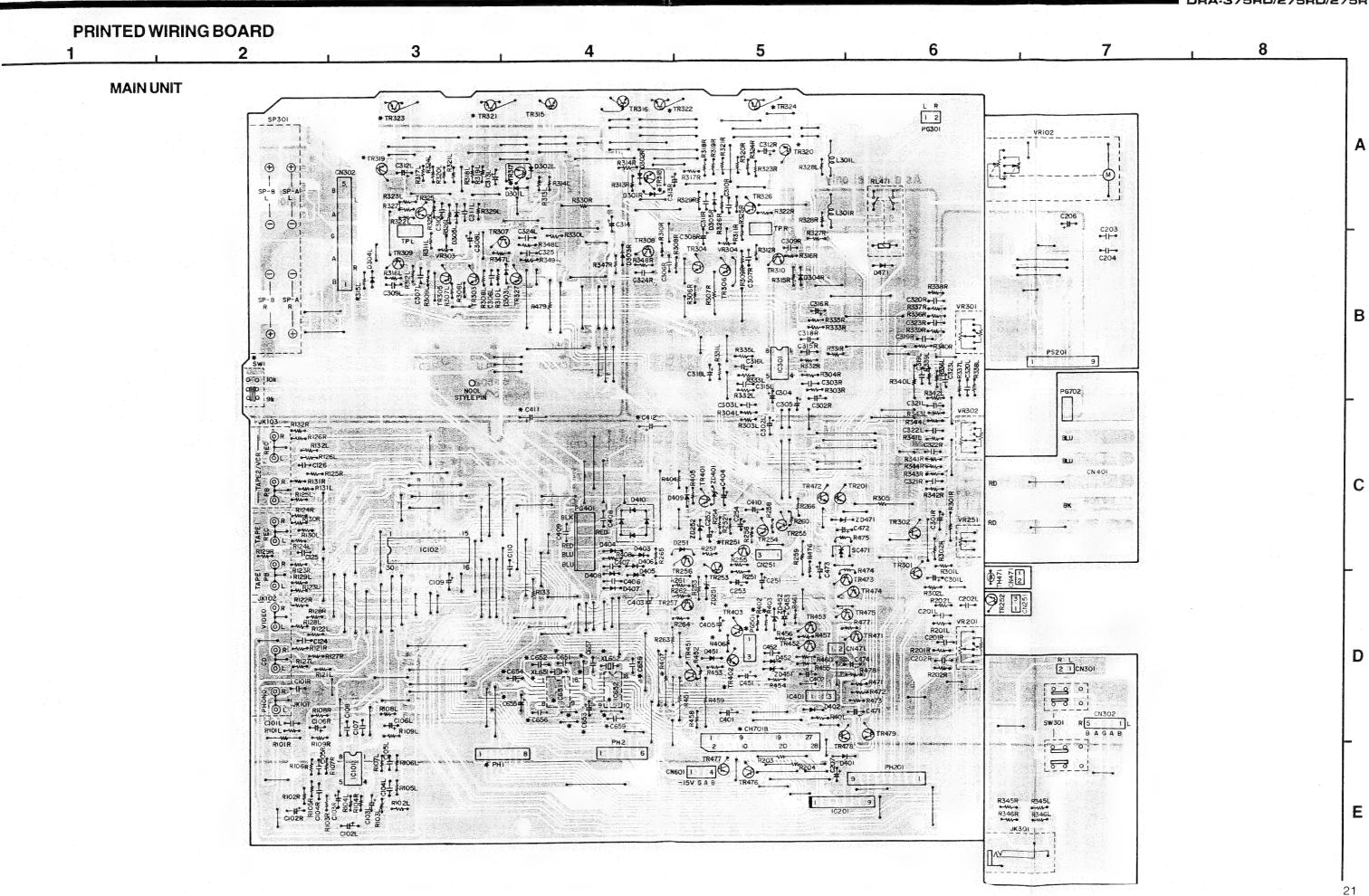
Pin No.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Connection	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NΡ	NΡ	F2	F2

1) F1, F2 2) NP-----3) NC-----No pin No connection -- Datum line --- Gird

4) DL ------5) 1G-14G --

ANODE CONNECTION

	14G	13G	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	RDS	a1	a 1	a1	a1	a1	a1	a1	ai	a1	a1	a1	a1	a1
P2	EON	a 2	a2	a2	a2	a2	a2	a2	a2	a2	a2	a2	a2	a2
P3	TA	b	b	b	b	b	b	b	b	b	b	b	b	b
P4	TP	С	С	С	С	С	С	С	С	С	С	С	С	С
P5	RT	d2	d2	d2	d2	d2	d2	d2	d2	d2	d2	d2	d2	d2
P6	PTY	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1	d1
P7	TUNED	е	e	е	е	е	е	е	е	е	е	е	е	е
P8	STEREO	f	f	f	f	f	f	f	f	f	1	1	1	ı
P9	AUTO	j	j	j	j	j	j	j	j	j	j	j	j	i
P10	RFATT	k	k	k	k	k	k	k	k	k	k	k	k	k
P11	МЕМО	m	m	m	m	m	m	m	m	m	m	m	m	m
P12	СН	n	ก	п	n	n	n	n	n	n	n	n	n	n
P13	TAPE	р	р	р	р	р	р	р	р	р	р	р	p	р
P14	1	r	г	ı	r	r	r	r	r	r	r	ſ	ſ	r
P15	2	g	g	g	g	g	g	g	g	g	g	g	g	g
P16	_	h	h	h	h	h	h	h	h	h	h	h	h	h

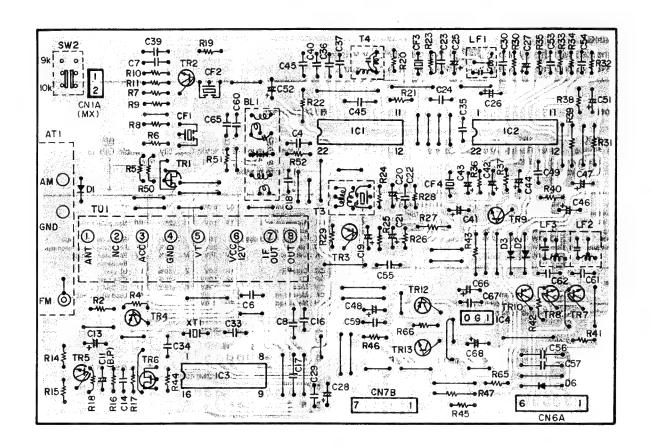


8

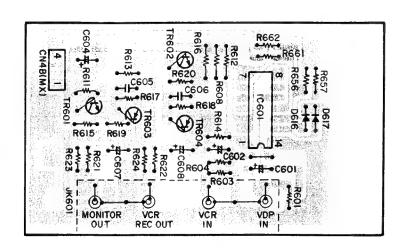
I DRA-375RD/275RD/275R I

1 1 2 1 3 1 4

TUNER UNIT



VIDEO JACK UNIT



23

E

D

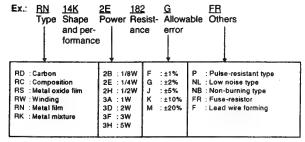
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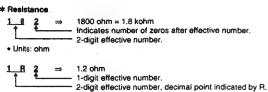
NOTE FOR PARTS LIST

- Part indicated with the mark "O" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

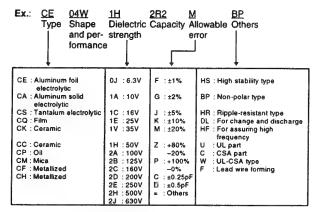
Parts marked with this symbol A have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

Resistors

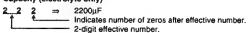




Capacitors



* Capacity (electrolyte only)



• Units: μF.

2.2µF
1-digit effective number.
2-digit effective number, decimal point indicated by R. • Units: μF.

* Capacity (except electrolyte)

• Units: pF.

2 2 1 = (0 or 1) -220pF Indicates number of zeros after effective number 2-digit effective number.

• Units: pF.

. When the dielectric strength is indicated in AC, "AC" is included after the dieelectric

PRINTED WIRING BOARD PARTS LIST MAIN UNIT

Ref. No.		Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICOND	Part No.			TR471~473	-	Transistor 2SC1740S (S)	
	263 0322 004	1		TR474		Transistor 2SA933 (S)	
				TR475	1	Transistor 2SC1740S (S)	
IC102	9L2 3016 92W	10 20/0211		TR476,477	1	Transistor DTA114ES	
10004	000 0007 004	IO DACODO		TR478,479	1	Transistor DTC144ES	
IC201	263 0927 001	IC BA62085		111470,475	203 0040 003	11011313101 51 01 4120	
IC301	263 0565 007	IC BA15218		D251	276 0375 002	Diode 1N4148 or 1N4531	
10001	200 0000 007						
IC401	9LC P024 12	IC KIA7806PI		D301L,301R	276 0375 002	Diode 1N4148 or 1N4531	
				D302L,302R	276 0375 002	Diode 1N4148 or 1N4531	
IC651	262 1872 000	IC SAA6579T	(DRA-375)	D303L,303R	276 0375 002	Diode 1N4148 or 1N4531	
1			Except Asia model	D304L,304R	276 0375 002	Diode 1N4148 or 1N4531	
IC651	262 1872 000	IC SAA6579T	(DRA-275)	D305L,305R	276 0375 002	Diode 1N4148 or 1N4531	
			Europe and U.K.				
			models	D401	276 0375 002	Diode 1N4148 or 1N4531	
IC652	9LC K044 71	IC LC7074M	(DRA-375)Except Asia	D402~408	916 0053 008	Diode 1N4002	
			model	D409	276 0375 002	Diode 1N4148 or 1N4531	
IC652	9LC K044 71	IC LC7074M	(DRA-275)	D410	276 0338 007	Diode S4VB20	
			Europe and U.K.	D451,452	276 0375 002	Diode 1N4148 or 1N4531	
			models	D471	276 0375 002	Diode 1N4148 or 1N4531	
İ							\$1.136
TR201	269 0022 904	Transistor DTA143ES		ZD251,252	276 0303 003	Zenar diode HZ6C2	6V
[9L2 3184 33	Transistor 2SD2061F	(DRA-375)				
1		Transistor 2SD2004 (P)	(DRA-275)	ZD401	9L2 3321 61M	Zenar diode HZ27-04	27V
		Transistor 2SB1655E	,,	ZD451	276 0299 007	Zenar diode HZ3C2	3.3V
i		Transistor 2SC1740S (E)		ZD452	276 0051 041	Zenar diode HZ7B1	6.8V
- 1		Transistor 2SA933S (S)		ZD471	276 0051 083	Zenar diode HZ7C3	7V
1		Transistor 2SC1841 (E/F)					
- 1		Transistor 2SA988 (E/F)		SC471	9LC J001 81	Thyristor SF0R3G42	
1		Transistor 2SC1740S (E)					
				TH471	9LC J001 51	Thermister	
TR301,302	269 0107 900	Transistor RN1241					
TR303,304	273 0235 020	Transistor 2SC1841 (E/F)		ŀ			
TR305~308	271 0131 021	Transistor 2SA988 (E/F)		ł :			
TR309;310	273 0235 020	Transistor 2SC1841 (E/F)		PESISTOR	e CROUP (Not included Carbon F	im + 59/ 1/4W)
TR315,316	9L2 3294 53T	Transistor 2SC945P				,	
	274 0151 000	Transistor 2SD2004 (P)	(DRA-375)	R265,266	241 2387 940	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB
TR317,381	274 0060 007	Transistor 2SD667A (C)	(DRA-275)	DOIS OF	041 0260 066	Corbon film 600 obm 1/4\A/	DD14D0E601 IND
TR319,320	272 0107 003	Transistor 2SB1328 (P)	(DRA-375)	1		Carbon film 620ohm 1/4W	RD14B2E621JNB
TR319,320	272 0053 005	Transistor 2SB647A (C)	(DRA-275)			Carbon film 150ohm 1/4W	RD14B2E151JNB
TR321,322	273 0430 003	Transistor 2SC4278 (E/F)	(DRA-375)	I _		Carbon film 220ohm 1/4W	RD1482E221JNB
TR321,322	273 0387 004	Transistor 2SC3853	(DRA-275)	1 1		Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR323,324	271 0276 009	Transistor 2SA1633 (E/F)	(DRA-375)			Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR323,324	271 0239 004	Transistor 2SA1489	(DRA-275)	1	1	Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR325,326	273 0235 020	Transistor 2SC1841 (E/F)		1 1		Meta oxide 0.22ohm 1W	RS14B3AR22JNB
TR327 2	271 0131 021	Transistor 2SA988 (E/F)	· ·	1 '		Carbon film 1kohm 1/4W	RD14B2E102JNB
						Carbon film 1kohm 1/4W	RD14B2E102JNB
TR401 2	272 0053 005	Transistor 2SB647A (C)	İ	_	1	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB
1		Transistor 2SC1740S (S)	(DRA-375)	1	ľ	Metal oxide 180ohm/1W	RS14B3A181JNB
, i	1	Transistor 2SC1740S (E)				Metal oxide 180ohm/1W	RS14B3A181JNB
	- 1	Transistor DTC143ES		1		Carbon film 620ohm 1/4W	RD14B2E621JNB
	- 1	Transistor 2SC1740S (E)		H348L,348R	241 2321 074	Carbon film 150ohm 1/4W	RD14B2E151JNB

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R401	241 2387 940	Carbon film 4.7ohm 1/4W	RD14B2E4R7JNB	C319L,319R	255 1077 001	Film 0.027µF/50V	CQ93M1H273K
R403	241 2321 074	Carbon film 150ohm 1/4W	RD14B2E151JNB	C320L,320R	255 1085 006	Film 0.12µF/50V	CQ93M1H124K
			(DRA-375)	C321L,321R	255 1258 079	Film 0.01µF/50V	CQ93M1H103J
R404	241 2322 031	Carbon film 100ohm 1/4W	RD14B2E101JNB	C322L,322R	255 1120 026	Film 0.0015µF/50V	CQ93M1H152J
R471	244 0042 008	Metal oxide 1.2kohm/1W	RS14B3A122JNB	C323L,323R	253 1055 069	Ceramic 100pF/50V	CC45SL1H101J
R473	244 0049 001	Metal oxide 4.7kohm/1W	RS14B3A472JNB	C324L,324R	255 1084 007	Film 0.1µF/50V	CQ93M1H104J
R408	241 2322 060	Carbon film 1ohm 1/4W	RD14B2E010JNB	C325	255 1258 079	Film 0.01µF/50V	CQ93M1H103J
				11		·	
VR102	9L0 1579 02	Variable 100kohm	VOL	C401	9L0 2845 82	Electrolytic 8.2µF/5.5V	
VR201	9LA Y001 84	Variable 100kohm	LOUD	C402	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M
VR251	9LA Y001 87	Variable 250kohm	BAL	C403	254 4257 003	Electrolytic 3300µF/25V	CE04W1E332M
				C404	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
VR301	9LA Y001 85	Variable 100kohm	BASS	C405	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M
VR302	9LA Y001 86	Variable 50kohm	TREBLE	C406,407	255 1258 079	Film 0.01µF/50V	CQ93M1H103J
VR303,304	9L0 1603 23	Semi fixed 5kohm		C408,409	9W0 2445 09	Ceramic 4700pF/500V	
				C410	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
CADADITO	2000000		<u> </u>	C411,412	9LA L004 72	Electrolytic 8200µF/63V	(DRA-375)
	RS GROUP			C411,412	9LA L004 71	Electrolytic 8200µF/50V	(DRA-275)
	253 1179 026	·	CK45B1H151K	C451	254 4260 074	Electrolytic 4.7µF/50V	CE04W1H4R7M
C102L,102R	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M	C452	9L0 8901 01R	Ceramic 0.01µF/16V	CK45B1C103J
C103L,103R		Electrolytic 33µF/16V	CE04W1C330M	C453	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
1	255 1069 006	Film 0.0056µF/50V	CQ93M1H562K	C471	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M
	255 1120 026	Film 0.0015µF/50V	CQ93M1H152J	C472	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M
I	254 4256 907	Electrolytic 10µF/25V	CE04W1E100M	C473	254 4250 042	Electrolytic 330µF/6.3V	CE04W0J331M
C107,108	253 1025 002	Ceramic 0.022µF/50V	CK45F1H223Z	C474	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M
C109		Electrolytic 220µF/25V	CE04W1E221M				
C110		Ceramic 0.022µF/50V	CK45F1H223Z	C651,652	253 3131 907	Ceramic 27pF/50V	CC45CH1H270J
C124~126	253 1025 002	Ceramic 0.022µF/50V	CK45F1H223Z				(DRA-375)
C2011 201B	255 1076 002	Film 0.022µF/50V	CQ93M1H223K				Except Asia model
1		Ceramic 560pF/50V	CK45B1H561K				(DRA-275)
C203		Ceramic 0.022µF/50V	CQ93M1H223K	i			Europe and U.K. models
C204		Electrolytic 4.7µF/50V BP	CE04D1H4R7MBP	C653~655	254 4250 013	Electrolytic 47µF/6.3V	CE04W0J470M
1		Electrolytic 1µF/50V	CE04W1H010M				(DRA-375)
I		Electrolytic 47µF/25V	CE04W1E470M				Except Asia model
	- 1	Electrolytic 10µF/25V	CE04W1E100M				(DRA-275)
0201 204	204 4200 001	Clocklony to Topt 720 V	02041112100111				Europe and U.K. models
C301L 301B	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C656	253 1055 014	Ceramic 560pF/50V	CK45B1H561K
	ì	Electrolytic 0.33µF/50V	CE04W1HR33M				(DRA-375)
		Ceramic 100pF/50V	CC45SL1H101J				Except Asia model
1	I	Electrolytic 1µF/50V	CE04W1H010M				(DRA-275)
	1	Ceramic 10pF/50V	CC45SL1H100D				Europe and U.K. models
· 1		Ceramic 10pF/50V	CC45SL1H100D	C657,658	253 3614 000	Ceramic 30pF/50V	CC45SL1H300J
		Electrolytic 1µF/50V	CE04W1H010M		Ì		(DRA-375)Except Asia
	[Film 0.1µF/50V	CQ93M1H104K				model
		Film 0.022µF/50V	CQ93M1H223K				(DRA-275)
	- 1	Film 0.1µF/50V	CQ93M1H104K	05-1			Europe and U.K. models
	- 1	Electrolytic 4.7µF/63V	CE04W1J4R7M	C659	9L0 8901 01R	Ceramic 0.01µF/16V	CK45B1C103J
	- 1	Electrolytic 4.7µF/63V	CE04W1J4R7M				(DRA-375)Except Asia
· 1	í	Electrolytic 1µF/50V	CE04W1H010M			ļ	model
		Ceramic 10pF/50V	CC45SL1H100D				(DRA-275)
	1	Electrolytic 33µF/16V	CE04W1C330M				Europe and U.K. models
I		Electrolytic 1µF/50V	CE04W1H010M				
2,0,0,1							

TUNER UNIT

Ref. No.	Part No.	Part Name	art Name Remarks		1 [Ref. No.	Remarks			
						11		Part No.	Part Name	Hemaiks
C661	9L0 8901 01R	Ceramic 0.01µF/16V		CK45B1C103J (DRA-375)Except Asia		11		T	I	
		and and a second a	Ι,		ı ASIA	11	IC001 IC002	263 0891 001 263 0439 007	1	
	ļ		model			П				
			(DRA-		ela la	Ш	IC003 IC004	262 0719 009	IC LM7001	
			Europe	and U.K. mo	odels	Ш	10004	9LC PU24 16	IC NIA/812PI	
OTHER PA	ARTS GROU	P			Q'ty	41	IC601	262 1873 000	IC BU4066BC	
SW001	9L2 6225 21	Slide switch	Asia model			Ш	10001	202 1073 003	10 00400000	
SW301	9LF E001 81	Speaker switch				Ш	TR001	275 0051 006	Transistor 2SK161	
						Ш	TR002		Transistor 2SC2058S (Q)	
RL471	9L2 6413 21	Relay (24V)	SP mute			Ш	TR003,004	1	Transistor DTA114ES	
						Ш	TR005	I	Transistor 2SC1815 (Y)	
XL651	9L2 1701 33	Crystal 4.332MHz	(DRA-375)			Ш	TR006	1	Transistor 2SK365 (BL/GR)	
			Except Asia n	nodel		П	TR007,008	273 0372 909	Transistor DTC323TS	
XL651	9L2 1701 33	Crystal 4.332MHz	(DRA-275)			Ш	TR009	269 0079 902	Transistor DTC144TS	
			Europe and U	J.K. models		Ш	TR010	269 0080 904	Transistor DTA114TS	
XL652	399 9018 003	Crystal 4.0MHz	(DRA-375)			Ш	TR011	272 0025 004	Transistor HIT5610C	
			Except Asia n	nodel		Ш			or 2SB562C	
XL652	399 9018 003	Crystal 4.0MHz	(DRA-275)	11/		П	TR012	269 0020 906	Transistor DTC144ES	
			Europe and U	J.K. models		Ш				
L301L,301R	01 0 0070 60	Transcall 1 1 u U				Ш	TR601,602	273 0325 901	Transistor 2SC1815 (GR)	\$ -
Louil,outh	9L2 2273 63	Trap coil 1.1μH				Ш	TR603,604	271 0186 005	Transistor 2SA1015 (GR)	
JK101	9LE R003 41	6P US pin jack				П				
JK101 JK102,103	9LE R003 51	4P US pin jack				Ш	D001~003	276 0375 002	Diode 1N4531 or 1N4148	
JK301	9LE Y005 01	Headphone jack				Ш	D006	9L2 3980 62T	Diode 1N4001	
011001	022 1000 01	Troughtono juon				Ш	D616,617	276 0375 002	Diode 1N4531 or 1N4148	
SP301	9LE U003 81	Front SP terminal				$\ \cdot \ $	CAPACITO	ORS GROUP		
						II	C004	253 4536 925	Ceramic 12pF/50V	CC45SL1H120J
CH701B	9LE D007 91	24P FFC cable holder	(DRA-375) As	sia model		П	C006	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M
			(DRA-265)			Ш				Eorope and U.K. models
			U.S.A., Canada	and Asia		Ш	C007,008	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M
			models			Ш	C011	254 3056 917	Electrolytic 1µF/50V BP	CE04D1H010MBP
CH701B	9LE D007 92	25P FFC cable holder	(DRA-275)			Н	C013	254 4260 906	Electrolytic 0.1µF/50V	CE04W1H0R1M
			U.K. model			Ш	C014	253 1025 002	Ceramic 0.022µF/50V	CK45F1H223Z
CH701B	9LE D007 95	28P FFC cable holder	(DRA-375)			Ш	C016	HMA 1000 159	Ceramic 100pF/50V	CC14B1H101K
			Except Asia m	nodel		H	C017,018	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M
			(DRA-275)			П	C019		Electrolytic 0.47µF/50V	CE04W1HR47M
			Europe model	١		П	C020	1	Electrolytic 1µF/50V	CE04W1H010M
				Ì		Н	C021	ł (Electrolytic 10µF/50V	CE04W1H100M
	9LM A007 81	Heat sink bracket			1	Ш	C022	1 1	Ceramic 0.022µF/50V	CK45F1H223Z
	9LM F001 71	Insulation sheet			4		C023	HMA 1000 159	Ceramic 100pF/50V	CC14B1H101K
	9L8 6914 10	Screw 3x10 BH BT		ļ	6					Except Eorope and
							_			U.K. models
							C024	l .	Film 0.056µF/50V	CQ93M1H563K
							C025~027	! !	Electrolytic 22µF/50V	CE04W1H220M
					ı		C028		Electrolytic 1μF/50V	CE04W1H010M
							C029		Ceramic 0.01µF/16V	CC14Y1C103M
							C030	9L0 8900 32M	Ceramic 560pF/50V	CC14B1H561K
						1				Eorope and U.K. models
				- 1	- [1	C031,032		Electrolytic 10µF/50V	CE04W1H100M
		İ			1		C033,034	253 3126 006	Ceramic 16pF/50V	CC45CH1H160J
						<u></u>				

DISPLAY UNIT

CO35					DISPLAY	UNIT		
COSH COSH	Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
COSH COSH	C035	255 1122 008	Film 0.047µF/50V	CQ93M1H473J	SEMICON	DUCTORS (GROUP	
COM-1	C036,037	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M	IC701	262 2249 001	IC TMP87CM71F-6348	
CO42	C039	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M	11			
CO43	C040	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	TR701	269 0020 906	Transistor DTC114ES	
CO43	C041	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M	11			
Code	C042	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	D501	276 0375 002	Diode 1N4531 or 1N4148	(DRA-375)
D701 276 4280 045 Electrolytic 1µF/650V CC14Y1C103M CC14Y1C1	C043	254 4196 012	Electrolytic 0.22µF/50V	CE04W1HR22M	H			Except U.K. model
C046.047 254 4260 951 Electrolytic 1µF/BOV CC04W1H2R2M CC04W1H010M CC14Y1C103M CC14Y1C103M CC14Y1C103M CE04W1H2R2M CE04W1H2R2M Electrolytic 1µF/BOV CC14Y1C103M CE04W1H2R2M Electrolytic 0₂µF/BOV CC14W1H2R2M CE04W1H2R2M Electrolytic 0₂µF/BOV CC14W1H2R31K Ecorps and U.K. models CC14B1H101K Coramic 030pF/BOV CC14B1H31K Ecorps and U.K. models CC14W1C103M CC14W1C10	C044	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M	D701	276 0375 002	Diode 1N4531 or 1N4148	
C048 254 4260 045 Electrolytic 1µF60V CCH4W1F010M CCH4V1F013M CCH4W1F013M	C045	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M				
0.048	C046,047	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	ZD701	9W2 3318 23	Zenar diode HZ9A3	9V
C051	C048	254 4260 045	Electrolytic 1µF/50V	CE04W1H010M				
C052 254 4260 087 Electrolytic 10µF/50V C149H331K Ecope and U.K. models C149H331K Except Ecorpe and U.K. models C49F/50V C49F/20AC108M C149H331K Except Ecorpe and U.K. models C49F/50V C49F/20AC108M C249H312K Except Ecorpe and U.K. models C49F/50V C49F/20AC108M C249H312K Ecope and U.K. models C49F/50V C49F/20AC108M C253 1174 018 C49F/50V C4471C103M C614,062 C53 4256 033 Electrolytic 47µF/50V C604,062 C44726 C49F/50V C4471C102M C604,062 C44726 C49F/50V C49F/50V C604W16470M C604,062 C49F/50V C49F/50V C604W16470M C604,062 C49F/50V C49F/50V C604W16470M C604,062 C49F/50V C49F/50V C604W164102M C702 C49F/50V C604W16470M C604,062 C49F/50V C49F/50V C604W16470M C604,062 C49F/50V C49F/50V C604W16470M C49F/50V C49F/50V C604W16470M C49F/50V	C049	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M	LED701	9L2 3984 05	LED SLR54VC3F	Red
C053,054 253 1193 992 Ceramic 330pF/50V CC1481H331K Enope and U.K. models CC1649 H4881K Except Europe and U.K. models CC65,057 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 253 1175 081 Ceramic 0.01µF/16V CC14Y1C103M CC059,060 254 4256 033 Electrolytic 1000µF/16V CC14Y1C103M CC04Y1C102M CC059,060 254 4256 035 Electrolytic 100µF/16V CC14Y1C103M CC059,060 254 4256 035 Electrolytic 100µF/16V CC14Y1C103M CC04Y1C102M CC04Y1C	C051	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	[]			
C053,054 253 1193 992 Ceramic 680pF/50V C1491H331K Except Ecrope and U.K. models C055 253 1101 900 Ceramic 120pF/50V C2491H121K Except Ecrope and U.K. models C059,060 253 1174 018 Ceramic 0.01µF/16V C061,062 253 1159 961 Ceramic 0.01µF/16V C061,062 253 1159 961 Ceramic 0.01µF/16V C061,062 253 1174 018 Ceramic 0.01µF/16V C060,060 253 1174 018 Ceramic 0.01µF/16V C060,060 253 1174 018 Ceramic 0.01µF/16V C060,060 253 1174 018 Ceramic 0.01µF/16V C060,060 253 1174 018 Ceramic 0.01µF/16V C060,060 253 1174 018 Ceramic 0.01µF/16V C060,060 254 4256 033 Electrolytic 1000µF/16V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M Ceramic 4.7pF/50V C060,060 9L0 8900 05M C060,060 9L0 8	C052	254 4260 087	Electrolytic 10µF/50V	CE04W1H100M	RM701	9LH N000 31	Receiving unit	(SBX1910-52)
C053,054 253 1194 933 Ceramic 680pF/50V C1481H681K Except Ecrope and U.K. models U.K. models U.K. models C253 1101 900 Ceramic 120pF/50V C24581H121K Ecrope and U.K. models C253 1174 018 Ceramic 0.01µF/16V C14Y1C103M C061,062 253 1174 018 Ceramic 0.01µF/16V C04Y1C103M C06501 253 0014 702 Ceramic 0.01µF/16V C04Y1C103M C0605 254 4256 033 Electrolytic 47µF/25V C604W1C102M C805,060 254 4256 033 Electrolytic 1000µF/16V C504W1C102M C805,060 254 4252 079 Electrolytic 1000µF/10V C504W1C102M C6007,600 254 4252 079 Electrolytic 1000µF/10V C504W1C102M C703 9LB 900 531 MW ANT coil 9LB 900 531 MW ANT coil 9LB 1003 31 MW ANT coil 9L2 1370 33 MB D61 Ceramic 1000µF/10V C504W1A102M C703 9LB 1003 10 MW ANT coil 9L2 1370 33 MB D61 Ceramic 1000µF/10V C504W1A102M C703 9LB 900 51 Ceramic 1000µF/10V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/10V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/10V C504W1A102M C703 9LB 900 51 Ceramic 1000µF/10V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 Electrolytic 1000µF/16V C504W1A102M C704 254 4250 079 E	C053,054	253 1193 992	Ceramic 330pF/50V	CC14B1H331K			3	
Except Ecrope and U.K. models C055				Eorope and U.K. models	 			L
U.K. models C24581H121K C3501 C351174 018 Caramic 0.01µF/16V C059,060 C351174 018 Caramic 0.01µF/16V C061,062 C351174 018 Caramic 0.01µF/16V CC14Y1C103M C061,062 C351174 018 Caramic 0.01µF/16V CC14Y1C103M C065,060 C065 C601,062 C351174 018 Caramic 0.01µF/16V CC14Y1C103M C0605 C604 C605 C607 C607 C607 C607 C607 C607 C607 C607	C053,054	253 1194 933	Ceramic 680pF/50V	CC14B1H681K	RESISTO	RS GROUP (Not included Carbon f	ilm ± 5% 1/4W)
CC55 253 1174 018 Ceramic 0.01μF/16V CC14Y1C103M					R501	9LH 1390 08	Metal oxide 2.2kohm 1/2W	R\$14B2H222JNB
Continue Continu	C055	253 1101 900	Ceramic 120pF/50V		CAPACIT	ORS GROUP		
C056,057 253 1174 018 Ceramic 0.01µF/16V CC14Y1C103M CC04W1E470M C604 253 41250 33 Electrolytic 47µF/25V Electrolytic 47µF/25V C604 254 4256 33 Electrolytic 1000µF/16V CE04W1C102M CC05,606 September 254 4257 99 Electrolytic 1000µF/16V CC14X1H4R7K CC05,606 September 254 4252 079 Electrolytic 1000µF/10V CC14X1H4R7K CC04W1A102M CC04W1A102M CC14X1H4R7K CC04W1A102M CC04W1A102M CC04W1A102M CC04W1A102M CC04W1A102M CC04W1A102M CC14X1H4R7K CC04W1A102M CC04W1A102				Eorope and U.K. models				CK45F2GAC103MC
C061,062 253 1159 961 Ceramic 0.01µF/16V C214Y1C103M C014X1C472M Ecrope and U.K. models C601,602 253 159 961 Ceramic 0.01µF/16V C14Y1C103M C016,602 254 4256 033 Electrolytic 100µF/16V C264W1C102M C605,606 9L 0800 05M Ceramic 4.7pF/50V CE04W1A102M C704 254 4252 079 Electrolytic 100µF/16V C264W1A102M C704 254 4252 079 Electrolytic 100µF/16V C264W1A102M C704 254 4253 033 MW ANT coil 39L 0800 05M Ceramic 4.7pF/50V CE04W1A102M C704 254 4253 034 Electrolytic 100µF/16V C264W1A102M C704 254 4253 034 Electrolytic 100µF/6.3V C264WJ101M C704 91.2 1370 33 MW ANT coil 39L 1701 32 Cyrsial 7.2MHz C7001 261 0036 4007 Ceramic filter Europe and U.K. models C7001 261 0036 906 Ceramic filter Except Europe and U.K. models C7002 261 0136 906 Ceramic filter Europe and U.K. models C7002 261 0136 906 Ceramic filter Europe and U.K. models Except Europe and U.	C056,057	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M	11		Columbia and the Froot	
C061,062 253 1174 018 Ceramic 47/0pF/16V Ecrope and U.K. models CC14V1C103M C601,602 254 4256 033 (2604 254 4256 033 (2604 254 4256 789) Electrolytic 1000µF/16V CE04W1E470M C605,606 9L0 8900 05M Ceramic 4.7pF/50V CC14V1C102M CC607,608 254 4252 079 Electrolytic 1000µF/10V CC04W1A102M C704 254 4213 034 Electrolytic 1000µF/16V CE04W1A102M C704 254 4213 034 Electrolytic 100µF/6.3V CE04W0J101M C704 254 4213 034 Electrolytic 10	C059,060	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M				
Cooperate Coo	C061,062	253 1159 961	Ceramic 4700pF/16V	CC14X1C472M	Acens	253 8014 702	Ceremic 0 01uE/00V	
C601,602 254 4256 033 Electrolytic 47µF/25V C604			* .	Eorope and U.K. models	Lisotoz	200 0014 102	Ocianis divipi moov	GRASI EGACIOSHIO
C601, 602 254 4256 033 Electrolytic 47µF/25V CE04W1E470M CC04W1E470M C702 HMA 1000 15\$ Ceramic 100pF/50V CC14B1H101K C605,606 910 8900 05M Ceramic 4.7pF/50V CE04W1C102M C703 9L0 8901 01 Ceramic 100pF/50V CC14B1H101K C607,608 254 4252 079 Electrolytic 1000µF/16V CC14SL1H4R7K C704 254 4213 034 Electrolytic 100µF/6.3V CE04W0J101M OTHER PARTS GROUP BJ001 9LB H005 31 MW ANT coil MW ANT coil MIF transformer ASW501 9LF 6000 11 Voltage selector Asla model CF001 261 0135 907 Ceramic filter Europe and U.K. models SW701-707 9L2 6396 82R Tact switch (DRA-375)Asia mc (DRA-275) CF002 261 0135 907 Ceramic filter Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375)Asia mc (DRA-275) CF002 261 0136 906 Ceramic filter Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375) Europe and U.K. models CF003	C065	253 1174 018	Ceramic 0.01µF/16V	CC14Y1C103M	C701	91 0 8901 01	Coramic 0.01u E/16V	
C604 254 4254 789 Electrolytic 1000μF/16V CE04W1C102M C703 9L0 8901 01 Ceramic 0.01μF/16V CE04W0J101M C605,606 9L0 8900 05M Ceramic 4.7pF/50V CC14SL1H4R7K C704 254 4213 034 Ceramic 0.01μF/16V CE04W0J101M C707,608 254 4252 079 Electrolytic 1000μF/16V CC04W1A102M C704 254 4213 034 Ceramic 0.01μF/16V CE04W0J101M C708 254 4252 079 Electrolytic 1000μF/16.3V CC04W1A102M C704 254 4213 034 Ceramic 0.01μF/16V CE04W0J101M C703 9LB H005 31 MW ANT coil AM IF transformer FM DET transformer FM DET transformer SW501 9LF 6306 82R Tact switch Asia model CF001 261 0135 907 Ceramic filter Europe and U.K. models SW708 9L2 6396 82R Tact switch (DRA-375)Asia mc (DRA-275) CF002 261 0136 906 Ceramic filter Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375) Europe and U.K. models CF003 9LB P004 91 Ceramic filter <td>C601,602</td> <td>254 4256 033</td> <td>Electrolytic 47µF/25V</td> <td>CE04W1E470M</td> <td>11</td> <td>1</td> <td>·</td> <td>CC14B1H101K</td>	C601,602	254 4256 033	Electrolytic 47µF/25V	CE04W1E470M	11	1	·	CC14B1H101K
C605,606 9L0 9900 05M Ceramic 4.7pF/50V 254 4252 079 Electrolytic 1000μF/10V CC14SL1H4R7K CE04W1A102M OTHER PARTS GROUP BJ001 9LB H005 31 7003 9LB J002 51 AM IF transformer CF001 261 0036 90 Ceramic filter CF001 261 0036 90 Ceramic filter Europe and U.K. models CF002 261 0135 907 CF002 261 0136 906 Ceramic filter Europe and U.K. models Except Europe and U.K. models CF003 9LB P005 01 CF004 9LB P004 91 LF001 9L2 1363 13 LF002,003 9L2 1363 14 JK601 9LE R002 32 AT001 9LE H000 11 Tuner pack Except Europe and U.K. models Except Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Europ	C604	254 4254 789	Electrolytic 1000µF/16V	CE04W1C102M		1	·	00148111011
C607,608 254 4252 079 Electrolytic 1000µF/10V CE04W1A102M OTHER PARTS GROUP BJ001 9LB H005 31 yell F000 31	C605,606	9L0 8900 05M	Ceramic 4.7pF/50V	CC14SL1H4R7K	11		1	CENAWO I 101M
BJ001 9LB H005 31 MW ANT coil T003 9LB J002 51 T004 9L2 1370 33 FM DET transformer XT001 9L2 1701 32 Crystal 7.2MHz CF001 261 0064 007 CF001 261 0135 907 CF001 261 0135 907 CF002 261 0064 007 CF002 261 0136 906 CF002 261 0136 906 CF002 261 0136 906 CF003 9LB P005 01 CF004 9LB P004 91 LF001 9L2 1363 13 LF002,003 9L2 1363 14 JKB01 9LE R002 32 AT001 9LE R002 32 AT001 9LE R002 31 ANT terminal board T1001 9L2 H000 11 T1001 9L2 4286 51 Tuner pack SWSS01 9LF G000 11 Δ SWS02 21 1103 004 SW701-707 Power switch TV-5 SW701-707 Power switch TV-5 SW701-707 Power switch TV-5 Asia model Asia model SW701-707 Power switch TV-5	C607,608	254 4252 079	Electrolytic 1000μF/10V	CE04W1A102M	0,04	237 12 10 001	Lieutolytic Toom 70.09	0204440010144
T003 9LB J002 51 AM IF transformer T004 9L2 1370 33 FM DET transformer XT001 9L2 1701 32 Crystal 7.2MHz CF001 261 0064 007 Ceramic filter CF002 261 0135 907 CF002 261 0136 906 CF002 261 0136 906 CF003 9LB P005 01 Ceramic filter CF004 9LB P004 91 LF001 9L2 1363 13 LF001 9LE R002 32 AT001 9LE R002 32 AT001 9LE R002 32 AT001 9LB R002 32 AT001 9LB H000 31 Tuner pack XM IF transformer Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375)Asia model (DRA-275) Except Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375) Except Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375) Except Asia model (DRA-275) Excep					OTHER PA	ARTS GROU	P	
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Tool	T003	9LB J002 51	AM IF transfomer					i lata tirodo.
CF001 261 0064 007 CF002 261 0064 007 CF002 261 0064 007 CF002 261 0135 906 CF002 261 0136 906 CF003 9LB P005 01 CF004 9LB P004 91 LF001 9L2 1363 13 LF002,003 9L2 1363 14 JK601 9LE R002 32 AT001 9LE R002 32 AT001 9LE W000 11 TU001 9LH H000 31 Tuner pack Europe and U.K. models Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Eu	T004	9L2 1370 33	FM DET transfomer					
CF001	XT001	9L2 1701 32	Crystal 7.2MHz		SW701-707	9L2 6396 82B	Tact switch	
CF001	CF001	261 0064 007	Ceramic filter	Europe and U.K. models				/DRA-375\Asia model
CF002 261 0064 007 Ceramic filter Europe and U.K. models CF002 261 0136 906 Ceramic filter Except Europe and U.K. models CF003 9LB P005 01 Ceramic filter Ceramic filter CF004 9LB P004 91 Ceramic filter Europe and U.K. models LF001 9L2 1363 13 L.P.F. Europe and U.K. models LF002,003 9L2 1363 14 L.P.F. Europe and U.K. models JK601 9LE R002 32 4P US pin jack Europe and U.K. models AT001 9LE H000 11 Tuner pack Except Europe and U.K. models TU001 9LH H000 31 Tuner pack Except Europe and U.K. models TU001 9L2 4286 51 Tuner pack Europe and U.K. models	CF001	261 0135 907	Ceramic filter	Except Europe and		022 0000 0211	- uot omnon	, ,
CF002				U.K. models				, ,
CF002 261 0136 906 Ceramic filter Except Europe and U.K. models SW709 9L2 6396 82R Tact switch (DRA-375) CF003 9LB P005 01 Ceramic filter Ceramic filter Europe and U.K. models Europe and U.K. models SW710-715 9L2 6396 82R Tact switch Europe and U.K. models LF001 9L2 1363 13 L.P.F. Europe and U.K. models SW710-715 9L2 6396 82R Tact switch Europe and U.K. models JK601 9LE R002 32 4P US pin jack ANT terminal board ANT terminal board ANT terminal board Tuner pack Except Europe and U.K. models AF501 9L2 7224 18 Fuse 5A, 125V U.S.A. and Canada models TU001 9L2 4286 51 Tuner pack Europe and U.K. models AF501 9L2 7216 13 Fuse 4A, 125V U.S.A. and Canada models	CF002	261 0064 007	Ceramic filter	Europe and U.K. models				
CF003 9LB P005 01 Ceramic filter CF004 9LB P004 91 LF001 9L2 1363 13 L.P.F. LF001 9L2 1363 14 L.P.F. LF002,003 9L2 1363 14 L.P.F. JK601 9LE R002 32 AP US pin jack AT001 9LB U000 11 Tuner pack Europe and U.K. models Europe and U.K. models SW710-715 9L2 6396 82R Tact switch SW710-715 9L2 6396 82R Tact switch F501 9L2 7224 18 Fuse 5A, 125V U.S.A. and Canada models U.K. models Except Europe and U.K. models L.P.F. U.S.A. and Canada models U.K. models Figure and U.K. models L.P.F. U.S.A. and Canada models U.K. models Europe and U.K. models Figure and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models Except Europe and U.K. models D.F. Figure and U.K. models Except Europe and U.K. models	CF002	261 0136 906	Ceramic filter	Except Europe and	SW709	OI 2 6306 82B	Tact switch	
CF003 9LB P005 01 Ceramic filter CF004 9LB P004 91 Ceramic filter LF001 9L2 1363 13 L.P.F. Europe and U.K. models LF002,003 9L2 1363 14 L.P.F. Europe and U.K. models JK601 9LE R002 32 AP US pin jack AT001 9LE U000 11 Tuner pack Except Europe and U.K. models Except Europe and U.K. models TU001 9LH H000 31 Tuner pack Except Europe and U.K. models Except Europe and U.K. models LPF01 9L2 7224 18 Fuse SA, 125V U.S.A. and Canada models Europe and U.K. models Except Europe and U.K. models TU001 9L3 4286 51 Tuner pack Fuse T2A, 250V U.S.A. and Canada models Europe and U.K. models				U.K. models	0703	3LE 0030 0211	ract switch	,
LF001 9L2 1363 13 L.P.F. Europe and U.K. models LF002,003 9L2 1363 14 L.P.F. Europe and U.K. models JK601 9LE R002 32 AT001 9LE U000 11 Tuner pack TU001 9LH H000 31 Tuner pack Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models Europe and U.K. models DL2 7224 18 Fuse 5A, 125V U.S.A. and Canada models Europe and U.K. models Europe and U.K. models DL2 7224 18 Fuse 5A, 125V U.S.A. and Canada models Europe and U.K. models Europe and U.K. models Europe and U.K. models DL2 7224 18 Fuse 5A, 125V U.S.A. and Canada models Europe and U.K. models	CF003	9LB P005 01	Ceramic filter					·
LF001 9L2 1363 13 L.P.F. Europe and U.K. models LF002,003 9L2 1363 14 L.P.F. Europe and U.K. models JK601 9LE R002 32 4P US pin jack AT001 9LE U000 11 ANT terminal board TU001 9LH H000 31 Tuner pack Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Figure and U.K. models Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models	CF004	9LB P004 91	Ceramic filter					,
LF002,003 9L2 1363 14	LF001	9L2 1363 13	L.P.F.	Europe and U.K. models	SW710-715	91.2 6396 828	Tact switch	Caropo and O.R. models
AT001 9LE U000 11 ANT terminal board TU001 9LH H000 31 Tuner pack Except Europe and U.K. models Line pack Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models Except Europe and U.K. models	LF002,003	9L2 1363 14	L.P.F.	Europe and U.K. models	0.0710713	511 0000 0211	. 22, 011(01)	
AT001 9LE U000 11 ANT terminal board TU001 9LH H000 31 Tuner pack Except Europe and U.K. models U.K. models TU001 9L2 7216 13 Fuse T2A, 250V Europe and U.K. models TU001 9L2 4286 51 Tuner pack Europe and U.K. models TU001 9L2 7224 17 Fuse 4A, 125V U.S.A and Canada me	JK601	9LE R002 32	4P US pin jack		△ F501	91 2 7224 18	Fuse SA 125V	ILS & and Canada
TU001 9LH H000 31 Tuner pack Except Europe and U.K. models 9L2 7216 13 Fuse T2A, 250V Europe and U.K. models 9L2 7224 17 Fuse 4A, 125V U.S.A. and Canada me	AT001	9LE U000 11	ANT terminal board					
U.K. models U.K. models U.S.A. and Canada me	TU001	9LH H000 31	Tuner pack	Except Europe and	↑ F601	91 2 7216 12	Files TOA SEAL	
TI 1001 1 01 2 4296 51 Tupor pack Furone and I K models I				U.K. models	MATERIAL TANKS (1995) (
SEE 7210.12 Pube 11.0A, 2004 Europe model	TU001	9L2 4286 51	Tuner pack	Europe and U.K. models				
						OLL 12 10 12	1 200 1 1.07, 2001	Europe Hadda

Ref. No.	Part No.	Part Name	Remarks
E501,502	9L2 7292 52R	Fuse holder	
E503,504	9L2 7292 52R		Asia model
FL701	9LD D000 41	FL tube	
N701	9LN J017 11	FL holder	Andreas Announce property of the Control of the Con
CH701A	9LE D008 21	24P FFC cable holder	(DRA-375)Asia mode
CH701A	9LE D008 21	24P FFC cable holder	(DRA-275) Except Europe and U.K. models
CH701A	9LE D008 25	28P FFC cable holder	(DRA-375) Except Asia model
CH701A	9LE D008 25	28P FFC cable holder	(DRA-275) Europe and U.K. models
W701	9LE K001 56	24P flat cable	(DRA-375) Asia mode (DRA-275) Except Europe and
W701	9LE K001 57	28P flat cable	U.K. models (DRA-375) Except Asia model
			(DRA-275) Europe and U.K. models
JK501	9LE P000 91	AC outlet	Europe and Asia models
JK501	9LE Y004 91	AC outlet	U.S.A. and Canada model
ΔRL501	9L2 6405 76	Relay	(DRA-375R) Except U.K. model
XL701	399 9018 003	Crystal 4.0MHz	
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PARTS LIST OF EXPLODED VIEW

Re	f. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	1	9LJ T056 41	Main unit Ass'y	(DRA-375)U.S.A. and	1	14	9L2 4286 51	Tuner pack	Europe and U.K. models	1
	1	3L0 1030 41	man and noo y	Canada models	'					
		9LJ T056 42	Main unit Ass'y	(DRA-375)Europe model	1	∆ 21	9LB T005 61	Power transformer	(DRA-375)U.S.A. and	1
		9LJ T056 43	Main unit Ass'y	(DRA-375)U.K. model	1				Canada models	
		9LJ T056 46	Main unit Ass'y	(DRA-375)Asia model	1	Δ	9LB T005 62	Power transformer	(DRA-375)Europe and	1
		9LJ T056 71	Main unit Ass'y	(DRA-275)U.S.A. and	1		10.00		U.K. models	
		SEB 1000 11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Canada models		Δ	9LB T005 63	Power transformer.	(DRA-375)Asia model	1
		9LJ T056 72	Main unit Ass'y	(DRA-275)Europe model	1	Δ	9LB T005 71	Power transformer	(DRA-275)U.S.A. and	1
		9LJ T056 73	Main unit Ass'y	(DRA-275)U.K. model	1		1990		Canada models	
		9LJ T056 76	Main unit Ass'y	(DRA-275)Asia model	1	Δ	9LB T005 72	Power transformer	(DRA-275)Europe and	1
									U.K. models	
	2	9LJ T056 51	Display unit Ass'y	(DRA-375)U.S.A. and	1	Δ	9LB T005 73	Power transformer	(DRA-275)Asia model	1
				Canada models					(22)	
		9LJ T056 52	Display unit Ass'y	(DRA-375)Europe model	1	22	9LM 8001 12	Heat sink	(DRA-375)	1
		9LJ T056 53	Display unit Ass'y	(DRA-375)U.K. model	1		9LM 8001 11	Heat sink	(DRA-275)	1
		9LJ T056 56	Display unit Ass'y	(DRA-375)Asia model	1	23	9LM A007 81	1		1
		9LJ T056 81	Display unit Ass'y	(DRA-275)U.S.A. and	1	24	9LM F001 71	Insulation sheet		4
				Canada models	-	25	9LE U003 81	Front SP terminal		1
		9LJ T056 82	Display unit Ass'y	(DRA-275)Europe model	1	26	9LE R003 51	4P US pin jack		2
l		9LJ T056 83	Display unit Ass'y	(DRA-275)U.K. model	1	27	9LE R003 41	6P US pin jack		1
		9LJ T056 86	Display unit Ass'y	(DRA-275)Asia model	1	28	9LA L004 72	Electrolytic 8200µF/63V		2
	_	01 1 7050 04	7	(DD4 075)11 0 4 and		29	9L2 6413 21	Relay (24V)		1
	3	9LJ T056 61	Tuner unit Ass'y	(DRA-375)U.S.A. and	1	30	9LA Y001 85	Variable 100kohm	BASS	1
			-	Canada models		31	9LA Y001 86	Variable 50kohm	TREBLE	
		9LJ T056 62	Tuner unit Ass'y	(DRA-375)Europe model	1	32	9LA Y001 87	Variable 250kohm	BAL	1
		9LJ T056 63	Tuner unit Ass'y	(DRA-375)U.K. model	1	33	9LA Y001 84	Variable 100kohm	LOUD	1
		9LJ T056 66	Tuner unit Ass'y	(DRA-375)Asia model	1	34	9LM L002 51	Mini PWB post	LOOD	3
		9LJ T056 91	Tuner unit Ass'y	(DRA-275)U.S.A. and	1	35	9L0 1579 02	Variable 100kohm	VOL	1
]		Canada models		36			VOL	2
		9LJ T056 92	Tuner unit Ass'y	(DRA-275)Europe model	1	36	9LM L002 61	PWB support L		1
		9LJ T056 93	Tuner unit Ass'y	(DRA-275)U.K. model	1	38	9LQ A004 81	Bottom chassis		4
		9LJ T056 96	Tuner unit Ass'y	(DRA-275)Asia model	1	30	104 0282 007	7001		"
Δ	5	9L2 7131 48	AC cord	U.S.A. and Canada models	1	41	9LQ A004 91	Top cover		1
Δ		9L2 9725 67	AC cord	Except U.S.A. and	1	42	9LH N000 31	Receiving unit	(SBX1910-52)	1
				Canada models		43	9LD D000 41	FL tube		1
Δ	6	9LM L000 61	AC cord bushing	Except U.S.A. and	1	44	9LE K001 56	24P flat cable	(DRA-375)Asia model	1
				Canada models					(DRA-275)Except Europe	
Δ		9L3 8722 71	AC cord bushing	U.S.A. and Canada models	1	1			and U.K. models	
	7	9LQ A005 11	Rear plate	(DRA-375)U.S.A. and	1	1	9LE K001 57	28P flat cable	(DRA-375)	1
				Canada models					Except Asia model	
		9LQ A005 12								l .
		9EQ A005 12	Rear plate	(DRA-375)Europe model	1	1			(DRA-275)Europe and	
		9LQ A005 12	Rear plate Rear plate	(DRA-375)Europe model (DRA-375)U.K. model	1				U.K. models	
		1		, ,	I 5	∆ 45	0000-0000-0000-0000-000-0000-0000-00000-0000	Power switch TV-5		1
		9LQ A005 13	Rear plate Rear plate	(DRA-375)U.K. model	1	46	9LE Y005 01	Headphone jack		1
		9LQ A005 13 9LQ A005 14	Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model	1	46 47	9LE Y005 01 9LF E001 81	Headphone jack Speaker switch		1
		9LQ A005 13 9LQ A005 14	Rear plate Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and	1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91	Headphone jack Speaker switch SP button	U.K. models	1 1 2
		9LQ A005 13 9LQ A005 14 9LQ A005 21	Rear plate Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models	1	46 47	9LE Y005 01 9LF E001 81	Headphone jack Speaker switch	U.K. models (DRA-375)	1
		9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22	Rear plate Rear plate Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model	1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91	Headphone jack Speaker switch SP button	U.K. models (DRA-375) Except Asia model	1 1 2 1
	8	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22 9LQ A005 23	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model	1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91	Headphone jack Speaker switch SP button	(DRA-375) Except Asia model (DRA-275)Europe and	1 1 2
	8	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22 9LQ A005 23 9LQ A005 24	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model	1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61	Headphone jack Speaker switch SP button Tuner button (10)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models	1 1 2 1
	8	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22 9LQ A005 23 9LQ A005 24	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model	1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61	Headphone jack Speaker switch SP button	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model	1 2 1
	·	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22 9LQ A005 23 9LQ A005 24 9LN X016 21	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada model (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model	1 1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61	Headphone jack Speaker switch SP button Tuner button (10)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model (DRA-275)Except Europe	1 1 2 1
Δ	·	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 22 9LQ A005 23 9LQ A005 24 9LN X016 21 9LE P000 91	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal AC outlet	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model	1 1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61	Headphone jack Speaker switch SP button Tuner button (10)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model	1 2 1
Δ	10	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 23 9LQ A005 23 9LQ A005 24 9LN X016 21 9LE P000 91 9LE P000 91	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal AC outlet AC outlet	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model Europe and Asia models U.S.A. and Canada models	1 1 1 1 1 1	46 47 48	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61 9LP C017 62	Headphone jack Speaker switch SP button Tuner button (10) Tuner button (8)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model (DRA-275)Except Europe	1 2 1
Δ	10	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 23 9LQ A005 23 9LQ A005 24 9LN X016 21 9LE P000 91 9LE P000 91	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal AC outlet AC outlet	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model Europe and Asia models U.S.A. and Canada models (DRA-375R)	1 1 1 1 1 1	46 47 48 49	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61 9LP C017 62	Headphone jack Speaker switch SP button Tuner button (10)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model (DRA-275)Except Europe	1 2 1 1 1 1
Δ	10 11	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 23 9LQ A005 23 9LQ A005 24 9LN X016 21 9LE P000 91 9LE Y004 91 9L2 6405 76	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal AC outlet AC outlet Relay	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model Europe and Asia models U.S.A. and Canada models (DRA-375R)	1 1 1 1 1 1 1	46 47 48 49	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61 9LP C017 62	Headphone jack Speaker switch SP button Tuner button (10) Tuner button (8)	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model (DRA-275)Except Europe	1 2 1 1 1 1
Δ	10 11	9LQ A005 13 9LQ A005 14 9LQ A005 21 9LQ A005 23 9LQ A005 23 9LQ A005 24 9LN X016 21 9LE P000 91 9LE Y004 91 9L2 6405 76	Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Rear plate Phono earth terminal AC outlet AC outlet Relay 4P US pin jack	(DRA-375)U.K. model (DRA-375)Asia model (DRA-275)U.S.A. and Canada models (DRA-275)Europe model (DRA-275)U.K. model (DRA-275)Asia model Europe and Asia models U.S.A. and Canada models (DRA-375R)	1 1 1 1 1 1 1	46 47 48 49 50 51	9LE Y005 01 9LF E001 81 9LP C017 91 9LP C017 61 9LP C017 62 9LP C017 51 9LP H035 62	Headphone jack Speaker switch SP button Tuner button (10) Tuner button (8) Function button Clear panel	(DRA-375) Except Asia model (DRA-275)Europe and U.K. models (DRA-375)Asia model (DRA-275)Except Europe	1 2 1 1 1 1 1 1

R	ef. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
	55	9LP H035 53	Innerpanel	(DRA-375)U.S.A. and	1		9L3 6296 35	Poly sack	U.K. model	1
				Canada models		1	9L3 6296 36	Poly sack	Except U.K. model	1
		9LP H035 54	Innerpanel	Europe and U.K. models	1	1				
		9LP H035 55	Innerpanel	Asia model	1					
		9LP H035 56	Innerpanel	(DRA-275)U.S.A. and	1					
		1		Canada models		1 1				
	56	9LP H035 44	Front panel	(DRA-375)U.S.A. and	1	1				
				Canada models		1	-	1		
		9LP H035 45	Front panel	(DRA-375)Europe and	1	1				-
		1		U.K. models		1				
		9LP H035 46	Front panel	(DRA-375)Asia model	1	1				
		9LP H035 47	Front panel	(DRA-275)U.S.A. and	1					
			-	Canada models		1				
		9LP H035 48	Front panel	(DRA-275)Europe and	1					
				U.K. models		1				
		9LP H035 49	Front panel	(DRA-275)Asia model	1					
3000			·							
1	\60	9LE P000 62		U.K. model	1					
•	61	9LN J017 91	Button holder	(DRA-375)U.S.A. and	1					
				Canada models						
	101	475 6138 002	No. 8 800 0 75		_					
	101				5	1				
	102	475 6124 003			1					
	103	9L8 6714 06	Screw 3x6 DT		4					
	104	9L8 6794 06			9					
	105	9L8 6796 06	Screw 4x6 DT BIND B	(DD4 035)) 0 4	8					
	106	9L8 6913 08	Screw 2.6x8 B1 BIND	(DRA-375)U.S.A. and	1					
			0 40 011 07	Canada models						
	107	9L8 6914 10	Screw 3x10 BH BT		28					
	108	9L8 6993 08	Screw 2.6x8 BT BIND B	Asia model	2	1				
10	9	9L8 6994 10	Screw 3x10 BH BT BBC		27					
_										
	ACKIN	G & ACCES								
			FM ANT connector		1					
		9L2 7593 41	AM loop ANT		1					
		9LE Y002 81	Edison pulg adapter	Asia model	1					
			Remote controller		1					
		1	Instruction manual	U.S.A. and Canada models	1					
			Instruction manual	Europe model	1]				
		1	Instruction manual	U.K. model	1					
		9LQ R066 44	Instruction manual	Asia model	1					
						j l				1 1
		a. a a . a	B.1	F 1	, I					1
		9L3 6402 13W	•	Europe model	1					
		9L3 6402 13W 9L3 6402 14W	•	Europe model Except Europe model	1		;			
		9L3 6402 14W	Poly sack	Except Europe model	1					
		9L3 6402 14W	•	Except Europe model (DAR-375)U.S.A. and						
		9L3 6402 14W 9LS G047 21	Poly sack Carton box E3	Except Europe model (DAR-375)U.S.A. and Canada models	1					
		9L3 6402 14W 9LS G047 21	Poly sack	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and	1					
		9LS G047 21 9LS G047 22	Poly sack Carton box E3 Carton box E2/EK	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models	1					
		9L3 6402 14W 9LS G047 21 9LS G047 22 9LS G047 23	Poly sack Carton box E3 Carton box E2/EK Carton box E1	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model	1 1 1					
		9L3 6402 14W 9LS G047 21 9LS G047 22 9LS G047 23	Poly sack Carton box E3 Carton box E2/EK	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and	1					
		9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31	Poly sack Carton box E3 Carton box E2/EK Carton box E1 Carton box E3	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models	1 1 1					
		9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31	Poly sack Carton box E3 Carton box E2/EK Carton box E1	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models (DRA-275)Europe and	1 1 1					
		9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31 9LS G047 32	Poly sack Carton box E3 Carton box E2/EK Carton box E1 Carton box E3 Carton box E2/EK	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models (DRA-275)Europe and U.K. models	1 1 1 1 1					
		9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31 9LS G047 32	Poly sack Carton box E3 Carton box E2/EK Carton box E1 Carton box E3	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models (DRA-275)Europe and	1 1 1 1 1					
		9L3 6402 14W 9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31 9LS G047 32 9LS G047 33	Poly sack Carton box E3 Carton box E2/EK Carton box E1 Carton box E3 Carton box E2/EK Carton box E2/EK Carton box E2/EK	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models (DRA-275)Europe and U.K. models	1 1 1 1 1 1 1					
		9L3 6402 14W 9LS G047 21 9LS G047 22 9LS G047 23 9LS G047 31 9LS G047 32 9LS G047 33 9LS P029 51	Poly sack Carton box E3 Carton box E2/EK Carton box E1 Carton box E3 Carton box E2/EK	Except Europe model (DAR-375)U.S.A. and Canada models (DRA-375)Europe and U.K. models (DRA-375)Asia model (DAR-275)U.S.A. and Canada models (DRA-275)Europe and U.K. models	1 1 1 1 1					

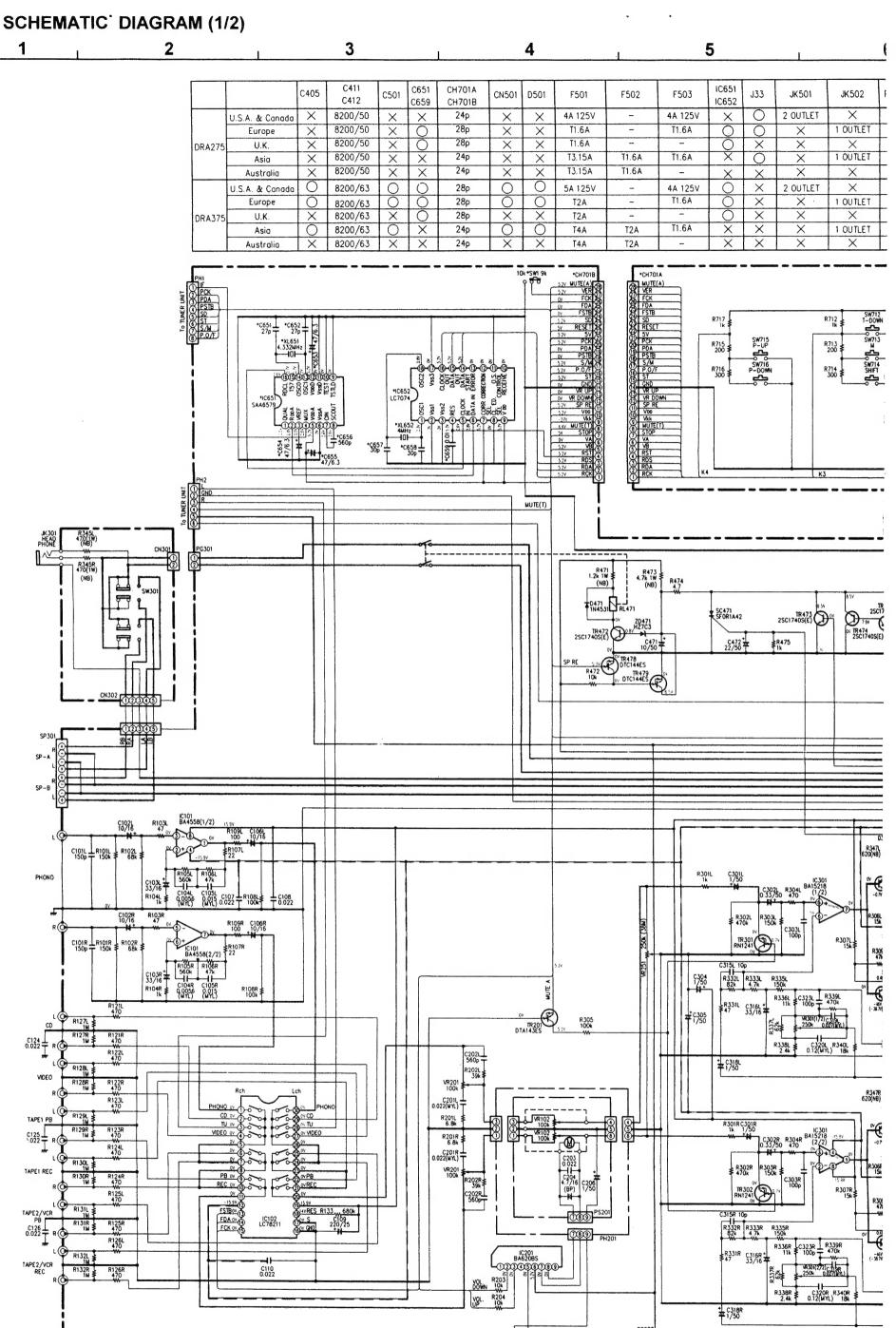
Α

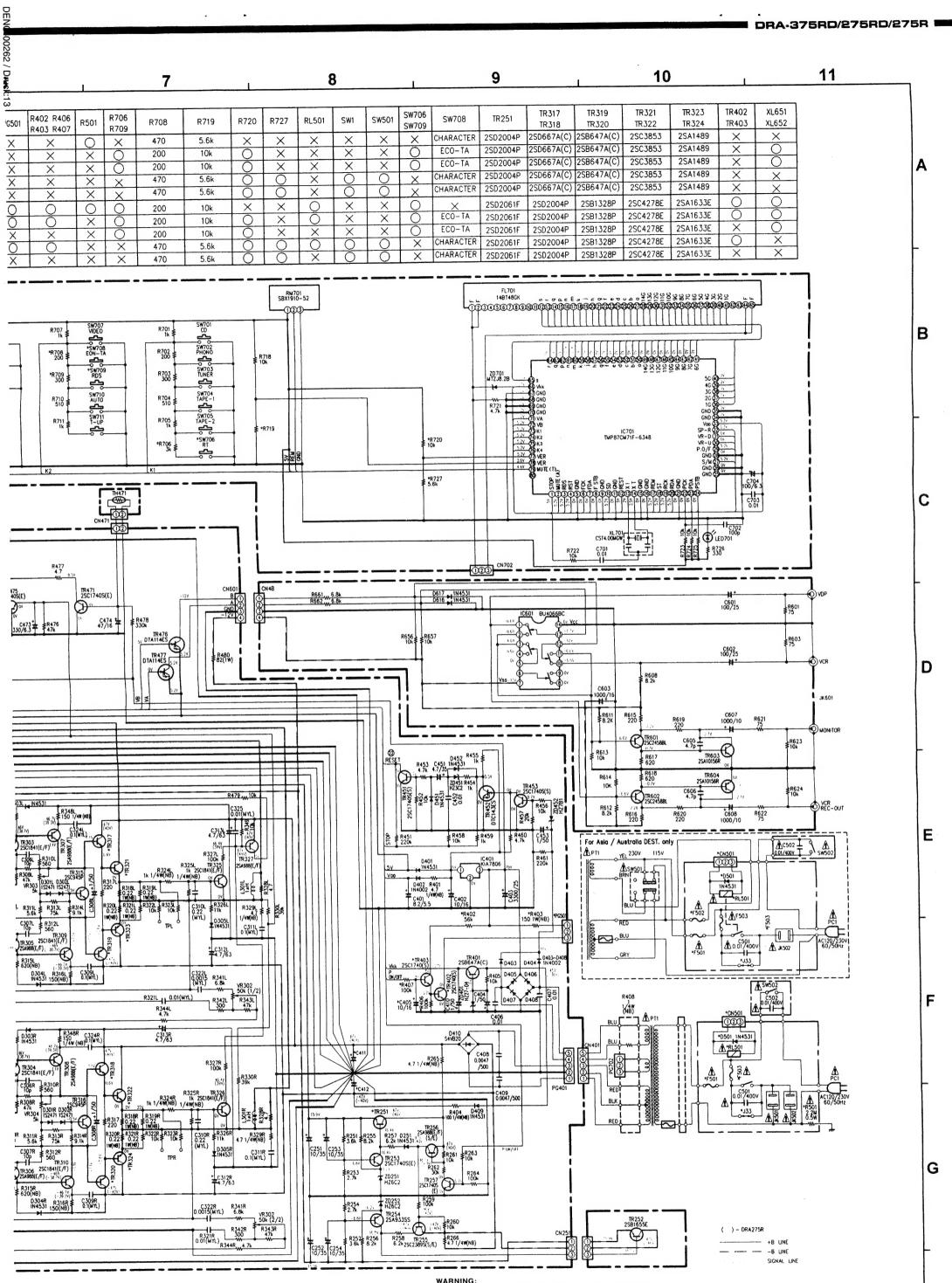
R345R 470(1W) (NB)

PHONO

TAPE2/VCR PB C126 0.022

TAPE2/VCR REC





NOTES ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:
Parts marked with this symbol 🐧 🚃 have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

CAU FION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is defective.

H

DO NOT return the unit to the customer until the problem is located and

